Electronics Diversified, Inc..

SMART System User Manual



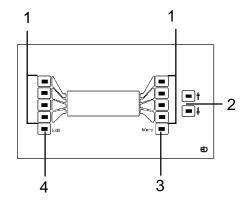
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OVERVIEW



MASTER STATION BUTTONS

1. Mapped Buttons:

Illuminating Buttons mapped to the display. Any button press results in the execution of the feature mapped to the button.

2. Up/ Down Buttons:

Allows user to control highlighted feature displayed by the Mapped Buttons. Mapped buttons are ued to adjust levels, set time or curse through character fieldsdepending on thier set function. Character fields will go SPACE, !,", #, \$, %, &, ', (,), *, +, ,, -, ., 0 through 9, :, :, <, =, >, ?, @, A through Z, [,], ^, _, ', a through z.

3. Menu Button:

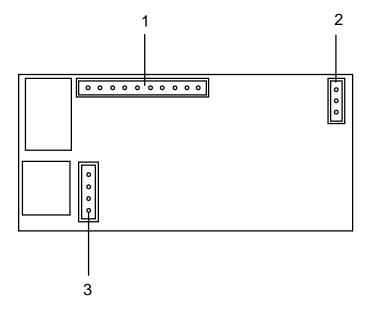
Gives access between the **preset menu** page and a menu of 8 other selections: ClearSys, Stations, DimPatch, Combines, Lockouts, Timers, Password, and Config.

4. Edit Button:

When in the Preset activation page this button will allow the user to toggle between the 3 sets of preset pages. Within one of the Menu pages, it will allow the user to cycle through pages of one of the other topics: ClearSys, Stations, Dim Patch, Combines, Lockouts, Timers, Password, and Configurations.



OVERVIEW



CONNECTORS

1. Combines:

PIN 1-8: Combine Inputs PIN 10: Ground

2. DMX Output:

PIN 1: Ground PIN 2: Data-PIN 3: Data+

3. Power/Serial Connection:

PIN 1: Ground PIN 2: Serial + PIN 3: Serial -PIN 4: +9 to 24 VDC

POWER CONSUMPTION

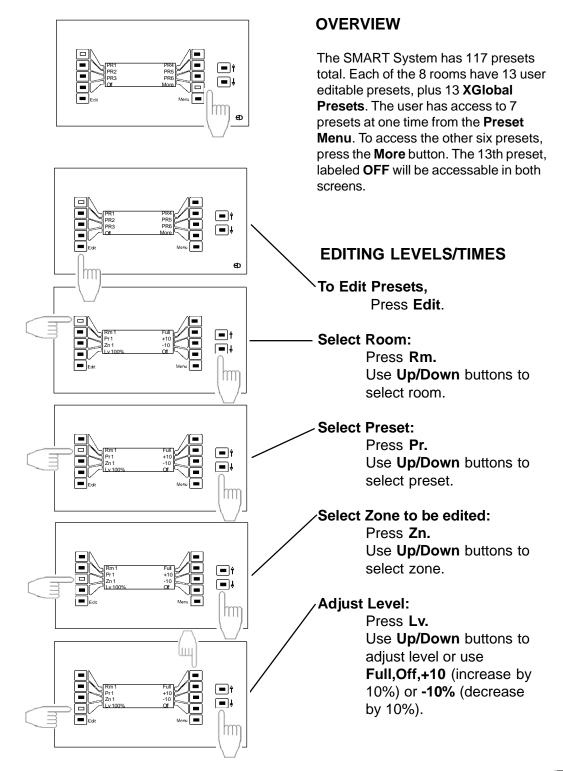
Operating Voltage: 9-24V

For small (1-8 Stations) systems 15VDC is sufficient. Larger systems (9-16 Stations) must use a 24VDC Power Supply.

Current (12VDC)	<u> </u>
Master Station LCD Slave Station	110mA 50mA
2/10/IR Stations Slider Stations RDI	60mA 100mA* 100mA

^{*} Rating based upon 10 channel slider. Lesser channel models will have a smaller maximum value.





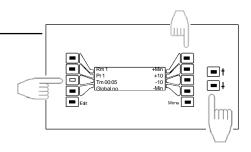


Set Fade Time:-

Press Edit.

Select Tm.

Use **Up/Down** buttons to increment by seconds, **Min-/Min+** to increment by minutes and **-10/+10** to increment by 10 second intervals.

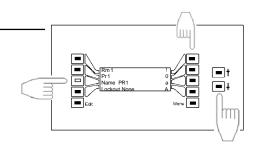


Name Preset: -

Press Edit.

Select Name.

Use **Up/Down** buttons to select character. Character fields will go SPACE,!,",#,\$,%,&,',(,),*,+,,,-,.,0 through 9,:,;,<,=,>,?,@, A through Z,[,],^,_,', a through z. Use **!**, **0**, **a**, and **A** to quickly jump to characters.



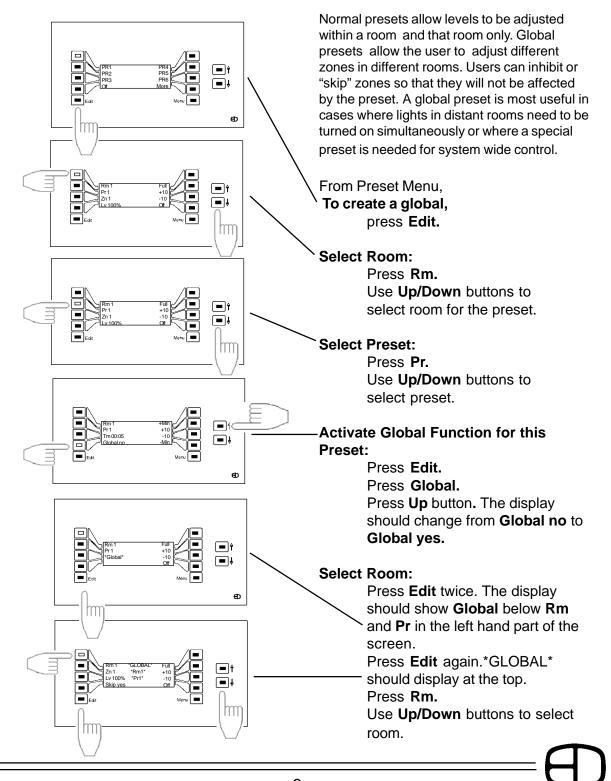
Return to Preset Menu:

Press Menu.

Note: All changes are being recorded while the user is editing.



GLOBAL PRESETS



PRESETS Select Zone to be edited: -Press Zn. **■**∮ Use Up/Down buttons to select zone. Adjust Level: -Press Lv. Use Up/Down buttons to adjust level or use Full,Off,+10 **■**∮ (increase by 10%) or **-10%** (decrement by 10%). **Unskip Zone:** -Press Skip. Press Down button. Skip yes should change to **Skip no**. A zone that is left on Skip yes will **—**] not be affected by this preset. Set Fade Time: Press Edit. Select Tm. Use Up/Down buttons increment by seconds, Min-/Min+ Ť increment by minutes and -10/ **■**† +10 to increment by 10 second intervals. Name Preset: Press Edit. Select Name. Use **Up/Down** buttons to select **–** † **■**↓ character. Character fields will go SPACE, !,", #, \$, %, &, ', (,), *, +, ,, -, ., 0 through 9, :, ;, <, =, >, ?, @, A through Z, [,], ^, _, ', a through z. Use !, 0, a, and A to quickly jump to characters.

Return to Preset Menu:

Press Menu.



XGLOBAL PRESETS

13 XGlobal Presets can replace presets in combined rooms. The presets are not associated with any room, thus dsignated on the master station as X. Because they are a global preset, they will affect only those zones in rooms that are not "skipped". They can only be activated with a combine function and only be activated from stations within the combined room.

To assign an XGlobal Preset to a Combine function, turn to page 25.

From Preset Menu,
To create an XGlobal,
press Edit.

Select Room:

-

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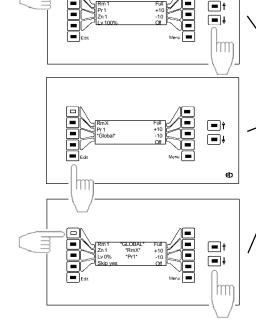
Press Rm.

Use **Up** button to select room **X**. The display should show **Global** below **Rm** and **Pr** in the left hand part of the screen Press **Edit**.

Select Roomto Edit:

Press **Edit** again.*GLOBAL* should display at the top.
Press **Rm.**Use **Up/Down** buttons to select room.

Follow the directions on page 7 for editing Global presets.





OVERVIEW

The SMART System can handle up to 16 stations:

- 6 types of stations are available on the SMART System: LCD Slave, 10 Button, 2 Button, Digital Slider, IR Remote, and Remote Device Interface.
- Stations can be spread out over 1000 feet of Alpha 1133.
- The SMART System can only address one station and cannot allow "mirroring" of stations.
- The Master Station itself can be used as a station and is non addressable.

To read how to select the room the Master station will operate turn to page 31.

SLAVE LCD STATION

1. Mapped Buttons:

Illuminating Buttons mapped to the display. Any button press results in the execution of the feature mapped to the button.

2. Up/ Down Buttons:

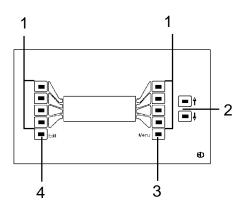
Allows user to control highlighted feature displayed by the Mapped Buttons. Used to adjust levels or set time.

3. Menu Button:

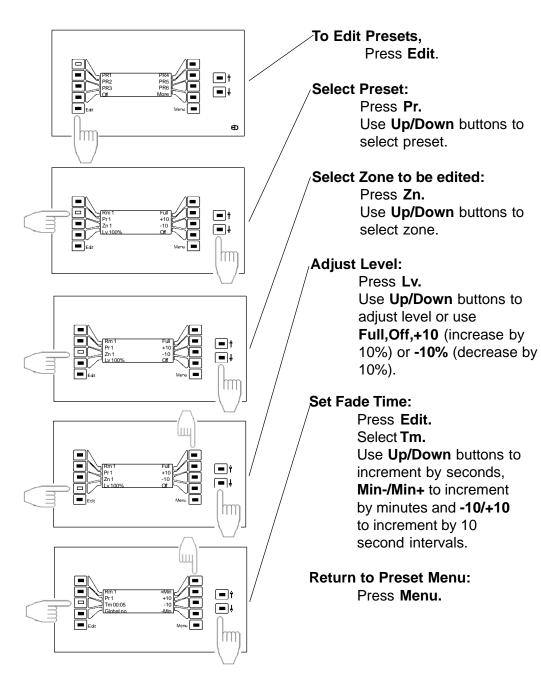
Returns to the **preset menu** page.

4. Edit Button:

Prompts for the next page within the Preset edit pages

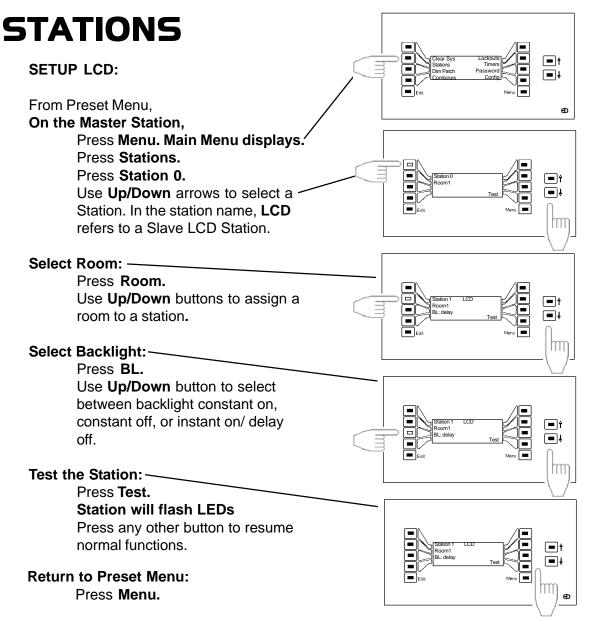








SMART System

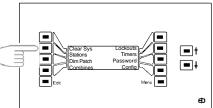


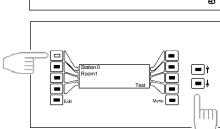


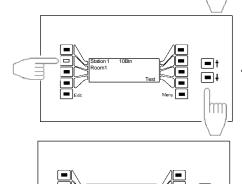
10 BUTTON STATION

- 1. Presets 1-6 (7-12 when More is activated) Press a button to execute a preset in a room
- 2. Master Room Level Buttons Adjust levels up or down in all zones within a room.
- 3. More Button Switches between Presets 1-6 and 7-12
- 4 Off Button Press to Execute Preset 13 (Off)

SETUP 10 BUTTON:







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From Preset Menu,

On the Master Station,

Press Menu. Main Menu displays Press Stations.

Press Station 0.

Use **Up/Down** arrows to select a Station. In the station name, 10Btn refers to a 10 Button Station.

Select Room:

Press Room.

Use **Up/Down** buttons to assign a room to a station.

Test the Station:

Press Test.

Station will flash LEDs

Press any other button to resume normal functions.

Return to Preset Menu:

Press Menu.



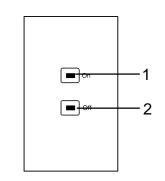
2 BUTTON STATION

1. On Button

Press button to execute an assigned preset (see below).

2. Off Button

Press button to execute preset 13 (Off)



SETUP 2 BUTTON:

From Preset Menu,

On the Master Station,

Press Menu. Main Menu Displays.

Press Stations. -

Press Station 0.

Use **Up/Down** arrows to select a Station. In the station name, **2Btn** refers to a 10 Button Station.

Select Room: -

Press Room.

Use **Up/Down** buttons to assign a room to a station.

Select On Preset:

Press On preset.

Use **Up/Down** buttons to assign a preset on a button.

Test the Station:

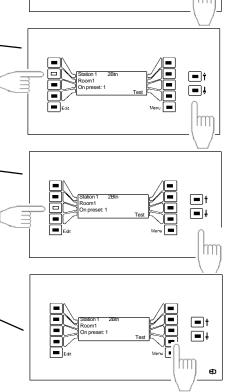
Press Test.

Station will flash LEDs

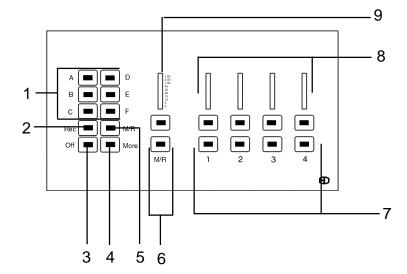
Press any other button to resume normal functions.

Return to Preset Menu:

Press Menu.







DIGITAL SLIDER STATION

1. Presets 1-6 (7-12 when More is activated)

Press a button to execute a preset in a room.

2. Record Button

Used in saving levels to a preset. Also, this button is used for paging different channels. (See recording presets and changing zone pages on pages 15 and 16).

3. Off Button

Press to Execute Preset 13 (Off).

4. More Button

Toggles between Presets 1-6 and 7-12.

5. Master/Fade Rate Button

Toggles the M/R display (9) from displaying master control use and the fade rate of an executed preset. It will also toggle the use of the M/R level controls (6) from adjusting all zones within a room to adjusting preset fade rates when recording.

6. Master/Fade Rate Control

Press to raise or lower level in a room or adjust fade rate as desired (See recording presets about fade rate changes on page 15).

7. Channel Level Controls

Press to raise or lower an individual channel level within a room.

8. Channel Levels

10-segment LEDS show intesity values from 0 to 100% on each channel.

9. M/R Levels

10-segment LEDs shows master fader action and fade rates up to 5 minutes.



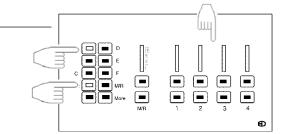
To Record a Preset:

Adjust Channel Level Controls to desired levels.

Press and hold Record button.

Press Preset to be stored in.

Release both buttons.

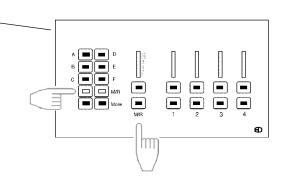


View Fade Rate:

Press M/R button.

To Change Fade Rate of a Preset:

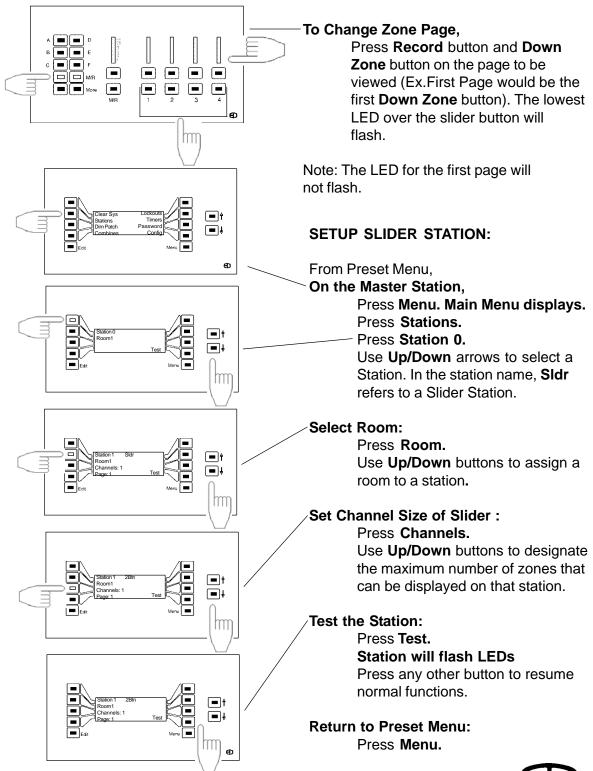
View Fade Rate.
Press and hold **Record** button.
Use **M/R Control** to raise or lower fade rate.
Release **Record** when finished editing. This changes the fade rate of the active preset.



CHANGING ZONE PAGES:

Slider stations have programmable zonal paging, allowing the user to edit all or some of the zones within a room reguardless of slider station configuration and zones within a room. The user can view 4,6,8, or 10 zones at a time (based upon how many slider controls there are). The user can advance or "page" to another group of zones within the room. Thus on a 4 channel slider the user can view the following zones: 1 through 4 on the first page, 5 through 8 on the second page, 9 through 12 on the third page, and 13 through 16 on the fourth.





REMOTE DEVICE INTERFACE

OVERVIEW

The Remote Device Interface (RDI) allows the SMART System to communicate with other devices through maintain or momentary switching. Each port has a latched(On) function and unlatched(Off) function, allowing the user to activate to separate fuctions on one switch (Example: Preset 1 for Port1 On function and Preset Off for port 1 Off function). This is useful for turning on and off combines or a blackout switch for a room. Momemtary switching can be used by setting the On and Off functions to the same setting. (Example: Preset 1 for Port 1 On and Off functions and Preset Off for Port 2). A custom keypad for a master control panel/swtichboard may use momentary switching on the RDI to activate fuctions throughout the SMART System.

1. PIN 1-12: input port latches

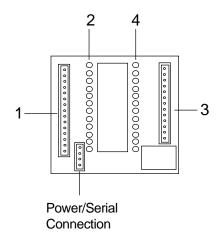
PIN 13: common for input port latches

PIN 14: 9-24VDC from LAN PIN 15: Ground from LAN

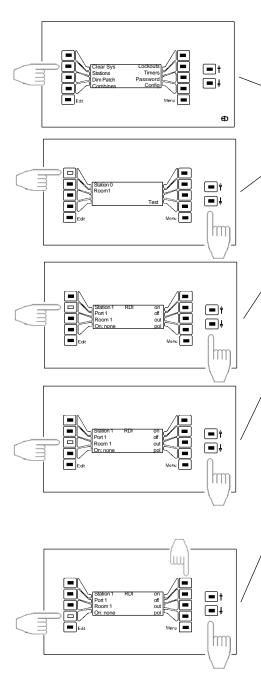
2. Input LEDs 1-12: lamp on when latch is closed by outside source

3. PIN 1-12: output port latches PIN 13: common for output port latches

4. Output LEDs 1-12: lamp on when RDI has closed the latch







SEUP RDI FUNCTIONS:

From Preset Menu, On the Master Station,

Press Menu. Main Menu displays.

Press **Stations**.

Press Station 0.

Use **Up/Down** arrows to select a Station. In the station name, **RDI** refers to the Remote Device Interface.

Select a Port:

Press Port.

Use the **Up/Down** buttons to select an input or output port latch (1-12).

Select a Room:

Press Room.

Use the **Up/Down** buttons to select a room that RDI will activate or sense. The same port can be used for multiple rooms.

Select an On Function:

Press the **4th button down on the left**. When this button is lit, the user can designate functions to the RDI

Press on

Use **Up/Down** buttons to select an action for the given room when the input port has been latched. The RDI can:

- Blackout/ un-Blackout
- Turn the timeclock operations on or off execute
- Presets1-13
- Combine or UnCombine 1-8.



Select an Off Function :

Press off

Use **Up/Down** buttons to select an action for the given room when the input port is open. The RDI can:

Blackout/ un-Blackout

Turn the timeclock operations on

or off execute

Presets1-13 Combine or UnCombine

1-8.

Select an Output Function:

Press out

Use **Up/Down** buttons to latch the output port for a given executed preset The RDI can respond to the following actions:

Blackout/ un-Blackout,

Turn the timeclock operations on

or off,

Execution of Presets1-13,

Combine or UnCombine 1-8.

POLARITY:

This determines whether or not the Remote Device Interface should keep an active high or active low on a selected port.

Give the Polarity of the Port:

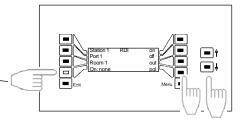
Press pol.

Press **Up** button for the RDI to pull up high to latch or signal action. The display will show **PoI: high**. Press **Down** button for the RDI to pull down low to latch or signal action. The display

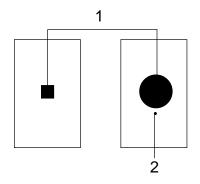
will show Pol: low.

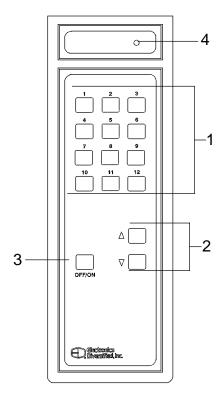
Return to Preset Screen:

Press Menu.









IR REMOTE STATION

IR STATION:

1. IR Sensor

Receives infrared signals from remote control

2. LED Indicator

Indicates function execution has been received

IR REMOTE CONTROL:

1. Presets 1-12

Press a button to execute a preset in a room

2. Master Room Level Buttons

Adjust levels up or down in all zones within a room.

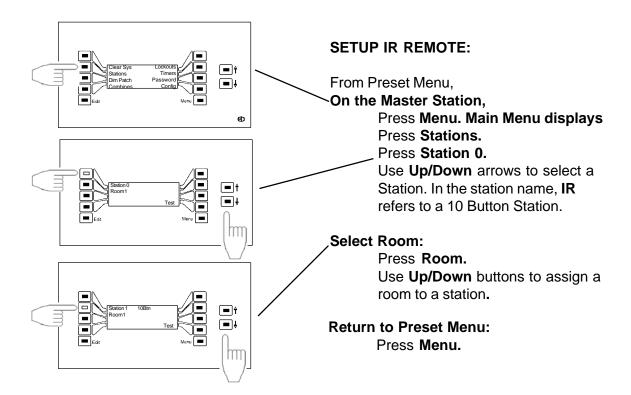
3. Off Button

Press to Execute Preset 13 (Off)

4. LED Indicator

Indicates function execution has been transmitted







PATCH

OVERVIEW

The SMART System Patch Panel allows 250 dimmers to be patched to a maximum of 100 channels or zones. Nine individual patch pages can be stored and can be activated manually through the Config page (see page 33) or through Combine Actions (see page 26).

PATCH SCREEN:

From the Preset Menu,

To edit the configuration of a dimmer,
Press Menu. Main Menu displays.
Press Dim Patch.

Select a Patch Page to edit:

Press **Patch.**Use **Up/Down** buttons to select patch page.

Select Dimmer to configure:

Press Dim.

Use **Up/Down** buttons to select patch page.

Assign a Dimmer to a Room:

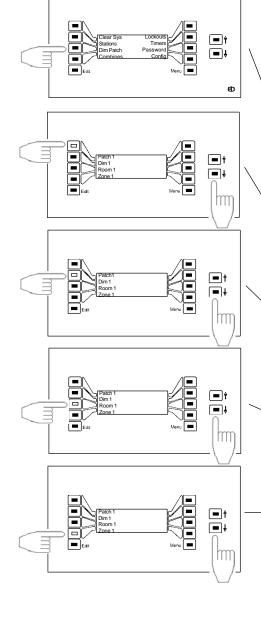
Press Room.

Use **Up/Down** buttons to assign dimmer to a room.

Assign a Dimmer to a Zone within the room:

Press Zone.

Use **Up/Down** buttons to assign dimmer to a zone.

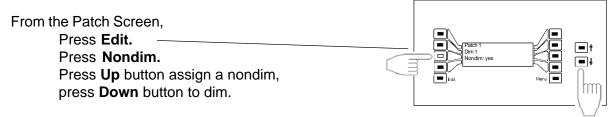




PATCH

NON DIMMING:

For lights that are disigned to turn on and off without dimming, the SMART System has a NonDim feature. NonDim dimmers will turn on above 50% and off below 50%.



Note: Multiple Dimmers can be assigned to a zone within a room , but multiple zones cannot be assigned to the same dimmer.



OVERVIEW

Combines allow multiple rooms function as one. This scenario is most useful in aditoriums or meeting rooms with adjoining areas. The adjoining areas will either mimic or activate presets in reference to the main area.

OVERLAPPING COMBINE ACTIONS

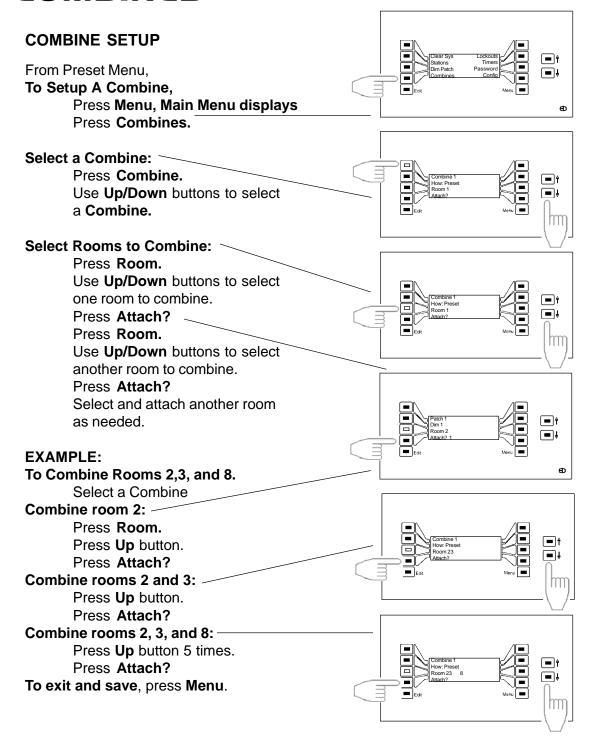
A combine action can combine from two to eight rooms by a single combine activation switch. If two combine actions are joined with an overlapping of rooms between them, the SMART System will conveniently operate the area as if it were one large combine action.

ACTIVATION

The combine actions can be activated either by a physical switch wired via the backside of the Master Station or through the use of a Remote Device Interface. The Combine Actions are last action events and will take effect on the next preceeding execution of a preset within the combined rooms .

To learn more about the RDI turn to page 17.

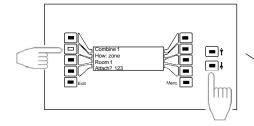






HOW?: PRESET VS. ZONE COMBINING

The SMART System can combine rooms in following ways: through preset activation or zone copying. When rooms are combined through presets, the activation of one preset in one room will cause the activation of the same preset number in other rooms. Thus, if Preset 1 was activated in room 1 in a two room senerio. Preset 1 in Room 2 would activate. When rooms are combined through zones, zones levels of one room's preset will follow into other combined rooms. Back to the two room senerio, if Preset 1 was activated in room 1 and zones 1 through 4 are at full for that preset, then zones 1 through 4 in room 2 will go to full. If the two rooms were identical, they would both have the same look.



Within Combine Menu,

To Designate Zone Combining,

Press How:

Press **Up** button for preset combing or press **Down.** button for zone combining.

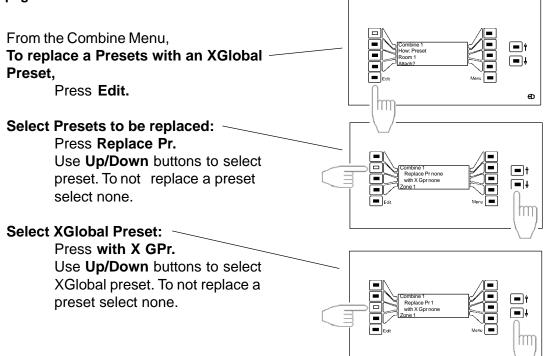
Note: The setting of the combine "How" is a global setting. All combine actions will either be preset or zone.



XGLOBALS

One of the 13 XGlobal presets can replace 1 preset per combine action. The Xglobal Preset will replace only presets that are within the combined rooms. Since they are global presets, they will affect all zones in every room unless they are skipped.

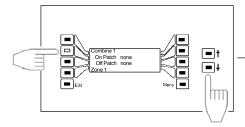
For more on XGlobals turn to page 8.

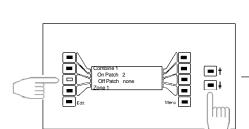




PATCH CHANGING

Each combine action has the ability to switch to a different patch. This is most useful in head/ table scenarios where XGlobal substitutions and simple preset/zone combining is not desired.





From the Combine Menu,

To Change Patches when in a combine action,

Press Edit twice.
Press On Patch.
Use Up/Down buttons to select the patch page you will use in the combine.
Select none to not change patches when combine action is engaged.

To go to a patch page when a combine action is disengaged.

Press **Off Patch.**Use **Up/Down** buttons to select the patch to go back to after combining. Select **none** to not change patch after combine action is disengaged.

Press Menu to go to Preset Menu.



The SMART System has 20 lockout

OVERVIEW

actions to lock and unlock stations. All lockout actions can effect the one or multiple stations. One lockout function can lock one station and unlock another. The lockout actions are activated by a preset. The Master Station can override all station lockouts if needed. SETUP LOCKOUT ACTIONS From Preset Menu, To Setup a Lockout Action, **-** 1 Press Menu. **-**\t Press Lockouts. Select a Lockout Action: Press Lockout. Use **Up/Down** buttons to select a lockout action. **-**Select a Station: -**-** \$ Press Station. Use **Up/Down** buttons to

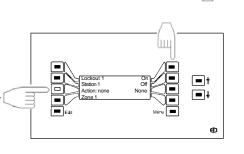
Use **Up/Down** buttons to select a station (If you forgot your station's address press **Menu** twice, then **Stations**, and find your station in one of the 16 slots.)

Select the Action for the Lockout Action:

Press Action.

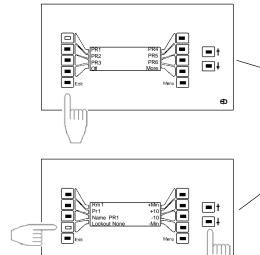
Press one of the selections to the right: Select **On** to lock, **Off** to unlock, or **None** to do nothing (**none** is the default for all stations).

Press **Menu** to go to Preset Menu.





ASSIGN LOCKOUT ACTIONS



From the Lockout Menu,

To Assign a Lockout Action to a preset,

Press Menu. Preset Menu displays.

Press Edit 3 times

Press Lockout.

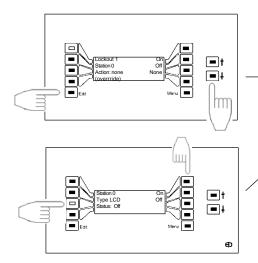
Use **Up/Down** buttons to assign the lockout action the preset will activate.

None means that no lockout actions

have been assigned.

Press **Menu** to go back to Preset Menu.

OVERRIDE LOCKOUT ACTIONS



From Preset Menu,

Press Menu. Main Menu displays.

Press Lockouts.

Press (override).

Press Menu to go to Preset Menu

Press Status.

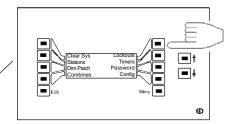
Press either buttons on the

right side to lock or unlock stations. On for locked and Off for unlocked.



EXAMPLE: A ONE PRESET LOCK

For the following example, the SMART System will lock and unlock a 10-Button station in a single room scenario. The system will be setup such that Preset 1 in Room 1 will lock this station. To unlock, an alternate preset on another station within the same room will have to be activated to unlock this station. In this example, the 10-Button station will be on address 0.



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TO SETUP:

From Preset Menu,

To Setup a Lockout Action to lock the 10-Button,

Press **Menu.**

Press Lockouts.

Select Lockout Action 1:

This should be already selected, if not:

Press Lockout.

Use **Down** button to

select lockout action 1.

Select the 10-Button Station:

Press Station.

Use **Up/Down** buttons to

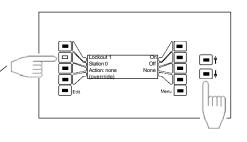
select station 0.

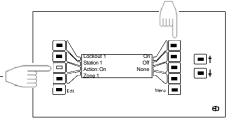
Select Action ON for the Lockout Action:

Press Action.

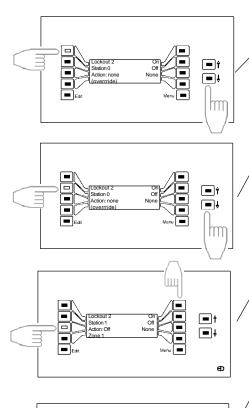
Press the **On** selection to

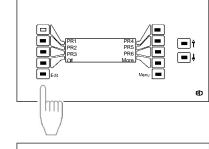
the right.

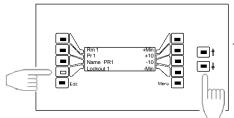












Now Setup a Lockout Action to unlock the 10-Button,

Select Lockout Action 2:

Press **Lockout**.
Use **Up** button to select lockout action 2.

Select the 10-Button Station:

Press **Station.**Use **Up/Down** buttons to select station 0.

Select Action OFF for the Lockout Action:

Press **Action.**Press the **Off** selection to the right.

Press **Menu** to go to Preset Menu.

Lockout 1 now must be linked to preset 1 in room 1 for the 10-Button station to get locked. To link Preset 1, Room1 to Lockout 1.

Press Edit 3 times

If not already selected, select preset 1 in room 1:

Press Room.

Use Down button to select room 1.

Press Preset.

Use Down button to select preset 1.

Select Lockout 1:

Press Lockout.

Use **Up/Down** buttons to select lockout action 1.



Lockout 2 now must be linked to the other presets to unlock the 10-Button station. To setup Lockout 2 to the other stations:

Select preset 2 in room 1:-

Press Preset.

Press **Up** button to select preset 1.

Select Lockout 1: -

Press Lockout.

Use **Up/Down** buttons to select lockout action 2.

Repeat the same action for presets 3 through 13 (OFF is 13). Now all presets except preset 1 will lock the station. Remember once the station is locked out, it is inoperable and must be unlocked by another station.

EXAMPLE: A ONE PRESET LOCK

For this example, the SMART System will lock and unlock the same 10-Button station in a single room. The system will be setup such that presets located on the left hand side of the controls (presets 1, 2, 3, 7, 8, 9, and OFF) will lock the 10-Button, and presets on the right hand side (presets 4, 5, 6, 10, 11, and 12) will unlock. In this example, the 10-Button station will be on address 0.

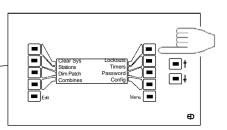
TO SETUP:

From Preset Menu,

To Setup a Lockout Action to lock the 10-Button,

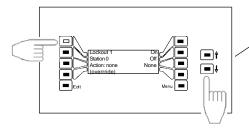
Press Menu.

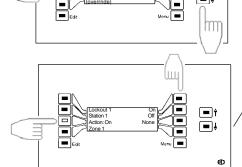
Press Lockouts.

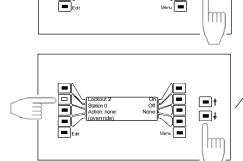






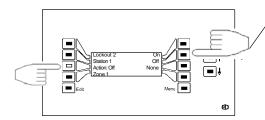






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Select Lockout Action 1:

This should be already selected, if not:
Press Lockout.
Use Down button to select lockout action 1.

Select the 10-Button Station:

Press **Station.**Use **Up/Down** buttons to select station 0.

Select Action ON for the Lockout Action:

Press **Action.**Press the **On** selection to the right.

Now Setup a Lockout Action to unlock the 10-Button,

Select Lockout Action 2:

Press **Lockout**.
Use **Up** button to select lockout action 2.

Select the 10-Button Station:

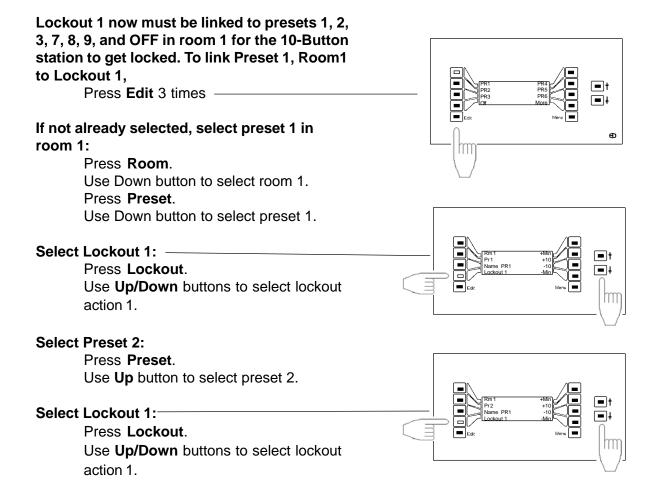
Press **Station.**Use **Up/Down** buttons to select station 0.

Select Action OFF for the Lockout Action:

Press **Action.**Press the **Off** selection to the right.

Press Menu to go to Preset Menu.





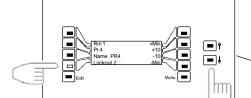
To do Presets 3,7,8,9, and OFF, follow the last two steps. Remember that OFF is preset 13.



LOCKOUTS

Lockout 2 now must be linked to presets 4, 5, 6, 10, 11, and 12 in room 1 for the 10-Button station to get unlocked. To link Preset 4, Room1 to Lockout 2,.

Press Edit 3 times



Select preset 4 in room 1:

Press **Preset**.

Use Up button to select preset 4.

Select Lockout 2:

Press Lockout.

Use **Up/Down** buttons to select lockout action 2.

Select Preset 5:

Press **Preset**.

Use **Up** button to select preset 5.

Select Lockout 1:

Press Lockout.

Use **Up/Down** buttons to select lockout action 2.

To do Presets 5,6,10,11, and 12, follow the last two steps.



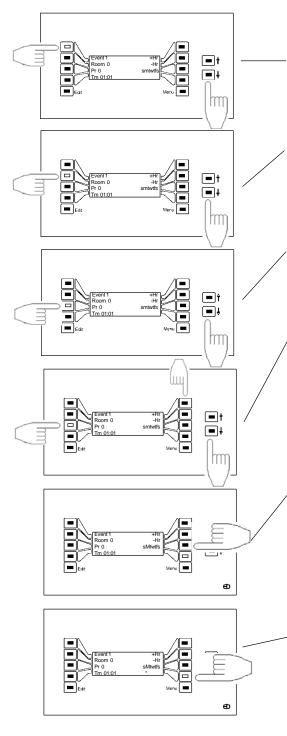
TIMECLOCK

OVERVIEW

The SMART System has 20 timeclock events. Each event can be programmed to activate one preset in one room. Events are setup on a weekly timer and individual events can be programmed from once a week to every day. The operations of the time clock can be turned on and off as needed. SETUP CLOCK From Preset Menu, **-**]† To Change Clock Time, Press Menu. Press Timers.Timer Menu displays. Press Edit. Change the Day: Press Day. Use Up/Down buttons to select day. Change the Hour: -Press Hour. Use **Up/Down** buttons to select hour. Note: clock is in 24 hours (1-12PM is 13-24). Change the Minute: Press Min. Use **Up/Down** buttons to Ť select minute. **-**Press **Edit** to go intoTimer Menu. Ф Press Menu to go to Preset Menu.



TIMECLOCK



SETUP EVENTS

From Timer Menu,

Select an Event:

Press Event.

Use **Up/Down** buttons to select an event to edit.

Select the Room Where the Event will Happen:

Press Room.

Use **Up/Down** buttons to select a room.

Select a Preset the Event will Activate:

Press Preset.

Use **Up/Down** buttons to select preset.

Set the Time to Activate the Event:

Press Tm.

Use **Up/Down** buttons to change time byminutes or the **+Hr/-Hr** to change by hours. Note: timer is in 24 hours. (1-12PM is 13-24)

Select the Days That the Event Will Happen:

Press 3rd button on the left (smtwtfs).

Highlight the day by uppercasing the day through multiple hits of the **3rd button on the left**.(Ex. **smTwtfs** -Tuesday is highlighted).

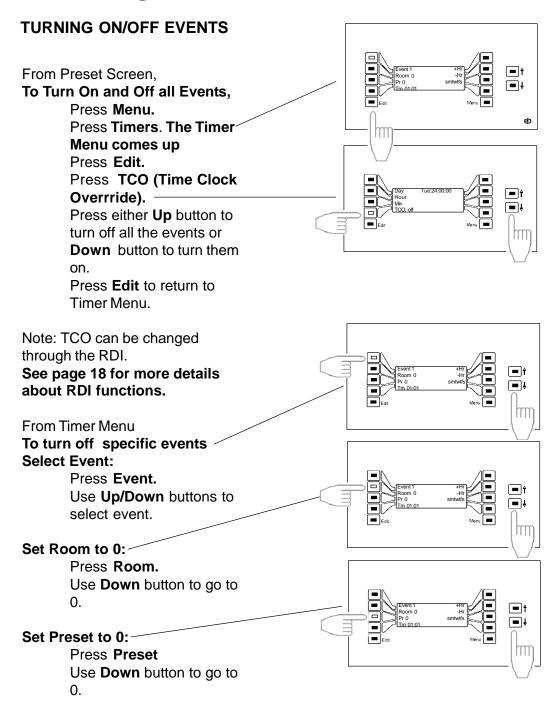
Press the **illuminated button** to

select the day.

Repeat for multiple days.



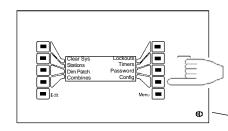
TIMECLOCK

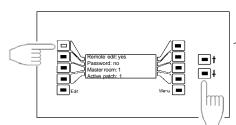




CONFIGURATION SETTINGS

REMOTE EDIT





Allows the user to record live from a station other than the master. This affects edit functions on Slider LCDs. If remote edit is set to no, the LCD will not display any Preset editing screens, The record button on the Slider Stations will not work also, except in paging.

From Preset Screen,

Press Menu. Main Menu displays.

Press Config.

Press Remote Edit.

Press **Up** button for yes or

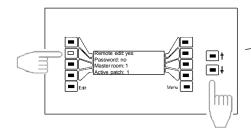
Down button for no.

PASSWORD

Password Protection can be set on the Master Station such that menus dealing Lockout, Timer, Password, Configuration Settings, Combines, Dimmer Patches, System Clearing are safeguarded with a password. Presets, still can be edited at the Master and other stations.

The default password is four hits on the top left button. To edit the password see page 32

NOTE: Do not end password with a "1."



From Preset Screen,

Press Menu. Main Menu displays.

Press Config

Press Password on.

Press **Up** button for yes or

Down button for no.

MASTER ROOM ASSIGNMENT

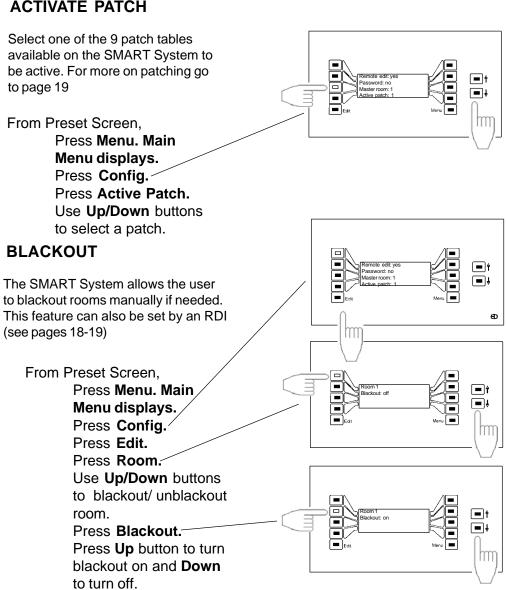
The Master Room can be assigned any room and does not take up an address.



CONFIGURATION SETTINGS (master room continued)

From Preset Screen. Press Menu. Main. Menu displays. Press Config. **-**Press Master room. Use Up/Down buttons to select a room.

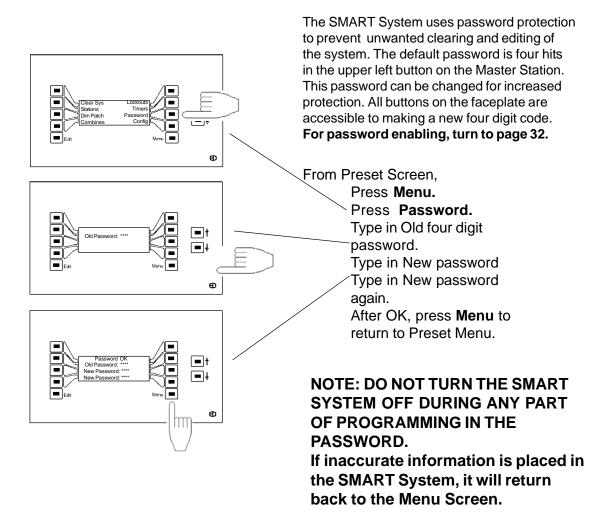
ACTIVATE PATCH





PASSWORDING

CHANGING PASSWORDS





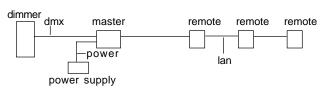
CLEARING THE SYSTEM CLEARING AND SETUP From the Preset Menu, Press Menu. Press Clear Sys. Enter 4-digit password using the 12 keys on the Master Station: **• -**Default password is 4 hits on the top left button. AFTER THE LAST DIGIT IS PUT IN. THERE IS NO RETURNING AND NO OUTSIDE COPY CAN BE MADE OF THE PROGRAM! **=**† **-** † Good Bye will appear on the Screen, verifying erasure. Select Room Size: Use **Up/Down** buttons to select the number of rooms. Press Menu. **-**] Select maximum Zone size for each room: Press a room button (Rm1, **Rm2**, etc.). Use **Up/Down** buttons to set the maximum number of zones for that room. The user can spread the 100 zone limit across the number of rooms selected. Press Menu.



STATION WIRING

Standard cabling: 3 cables

DMX cable: Belden 9842 (1000') Power cable: 2 18# AWG (1000') LAN cable: Alpha 1133C (1000')



Option 1: 2 cables (both cables total

1000')

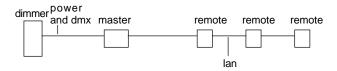
DMX, Power cable: Belden 9843

pair 1 = dmx

pair 2 = +15/24 (both wires)

pair 3 = ground (both wires)

LAN cable: Alpha 1133C



Option 2: 1 cable (500' w/ up to 8 stations, 1000' w/ up to 4 stations)

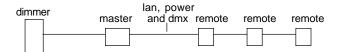
DMX, Power, LAN cable: Belden 9844;

pair 1 = dmx

pair 2 = Ian

pair 3 = +15/24 (both wires)

pair 4 = ground (both wires)





HARDWARE PIECES

OVERVIEW

1. Back Circuit Board

Contains electronics for processing SMART functions.

2. Standoffs

3. Front Circuit Board

Provides the front end for controls.

4. Standoffs

5. Subplate

Plate used for mounting SMART System. Use #6 screw to mount to electrical backbox.

6. Faceplate

Rounded neural design easily matches any decor.

7. Mounting Tabs

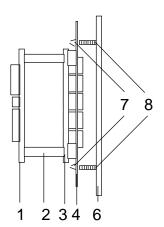
Used to secure faceplate to subplate. Latches onto threaded mounting bolts.

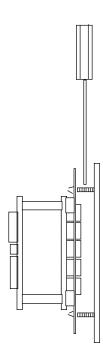
8. Mounting Bolts

Secured to faceplate. Latches the faceplate on via the mounting tabs.

REMOVAL OF FACEPLATE

Work around area between faceplace and subplate with a flathead screwdriver, pulling forward. This will work the mounting bolts from the mounting tabs. Over time, the tabs will wear out, if done repeatedly. If the tabes become loose, simply squeeze them with needle-nose pliers. If the tabs become worn out or malfunctions, please contact the factory or a nearby dealer for service.







Attention SMART System owners!

For Service:

Please contact your local represenative or dealer.

For Factory Assistance:

Electronics Diversified, Inc. 1675 NW Cornelius Pass Road Hillsboro, Oregon 97124 Voice: (800)647-2690 or

(503) 645-5533

FAX: (503) 629-9877

