

## 1582-725 RF Protection Switch

The 1582-725 RF Switch has two independent switches (A and B) in a single $13 / 4$ " chassis. Each switch provides Auto, Manual, or Remote relay switching between CH 1 and CH 2 . Alarm conditions on CH 1 and CH 2 are detected if a contact closure (to ground or an open, selectable) occurs. Switching logic can be selected as follows:

1) $\mathbf{C H} 1$ Prime Mode - Switches from CH 1 to CH 2 only if CH 1 alarms and CH 2 is good.

Switches back to CH 1 when it is no longer in alarm or when both CH 1 and CH 2 are in alarm.
2) Latch to CH 2 Mode - Switches from CH 1 to CH 2 if CH 1 alarms and CH 2 is good.

Latches to CH 2 . Push Reset or ground Remote Reset pin to return to CH 1 if it has no alarm or both CH 1 and CH 2 are in alarm.
3) Minimum Auto switching, Initial Channel Select (ICS) Mode - Switch stays on channel last selected by Manual or Remote selection after return to Auto if both channel alarms are clear or both channels are in alarm. Auto switching occurs only if current channel alarms and the other channel is clear. Factory set mode is generally (1) CH1 Prime Mode.
When power is first applied and there are no alarms, CH 1 is selected. On power loss CH 2 is the selected channel. The Manual Select switch and contact closures to Remote Select pins (when in Auto), select CH 1 or CH 2 independent of alarms. LEDs indicate alarm and switch conditions for CH 1 and CH 2 , REMOTE or MANUAL operation, and power on. RF connectors are BNC, female. Contact closure inputs and outputs are via barrier strip. Dual power supplies provide redundant power to the 1582-725. Chassis is a $13 / 4$ " rack mount.


1582-725 RF

## EQUIPMENT SPECIFICATIONS*

## Switch Characteristics

Impedance
Type/Configuration Insertion Loss

Frequency Response
Return Loss
Isolation
Switch time

## Controls

MANUAL SELECT

## SWITCH RESET

Indicators, LEDs
CH1 ON-LINE
CH2 ON-LINE
MANUAL
ALARM CH1
ALARM CH2
POWER 1
POWER 2
REMOTE

## Other

Mechanical 19 inch standard chassis 1.75 "high X 12" deep
Power Redundant power supplies; 100-240 $\pm 10 \%$ VAC, $47-63 \mathrm{~Hz}, 30$ watts

[^0]Cross technologies, inc.


[^0]:    ${ }^{*} 10^{\circ} \mathrm{C}$ to $40^{\circ} \mathrm{C} ; 2000 \mathrm{~m}$ max elevation; $80 \%$ max humidity; Specifications subject to change without notice

