

Wiring remote switches into the Alpha DAS

In 1-of-9 mode, the remote relay 'hot' wires (+12 or +24vdc) are connected to terminals 1, 2, 3, 4, 5, 6, A, B, or C.

The common return wires can be connected to any of the 3 GROUND connections on J2 or J4. All corresponding terminals on J2 and J4 are common, this is done to accommodate wiring situations where there are several remote relay locations.

The coil returns (labeled RETURNS ABCDEF) are only for the 1-of-36 configuration. They provide "switched ground" so that only the appropriate set of remote relays will operate when a number relay is operated i.e. A1, only the number 1 relay in the A group will operate. The difference between ground and coil returns is that the coil returns are grounded only when the corresponding letter relays (A-F) are operated.

Configuration of the DAS for 1-of-9 or 1-of-36 operation is set by the position of internal DIP-switch S1-3 :

S1-3 ON = 1-of-9

S1-3 OFF = 1-of-36

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By ALPHA/POWER*

REMOTE ANTENNA SWITCHES for use with Alpha DAS

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1. Array Solutions (972-203-8810)

Jay WX0B

www.arrayolutions.com

6-position

2. ComTek Systems (704-542-4808)

www.comteksystems.com

8-position RCAS-8

3. TopTen Devices (610-935-2684)

www.qth.com/topten

6-position

Note : Must be modified for use with DAS, relay diodes are installed for negative polarity switching.

4. Ameritron (662-323-8211)

www.ameritron.com

5-position RCS-8V

NOTE : The remote switches listed above are not the only ones that will work with the DAS antenna selector.

If you have information about other makes/models that are compatible please e-mail us!

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