

Alarm box used for detecting high SWR in antenna systems.

DESCRIPTION

- PRO-AREL1-12V is an alarm box used for detecting high SWR in antenna systems. The PRO-AREL1-12V is connected to a power monitor, e.g. PRO-PM2-2/70 25W, and this will enable you to adjust the power monitor so that the PRO-AREL1-12V gives an alarm signal at e.g. SWR 2:1 at a certain frequency/power.
- The alarm drives a latched relay and a light-emitting diode and that mode is active until the reset button is pressed.
- It is possible to connect an external alarm such as light, loudspeaker etc. (max. 1 A, NC or NO on a contact rail).



ORDERING

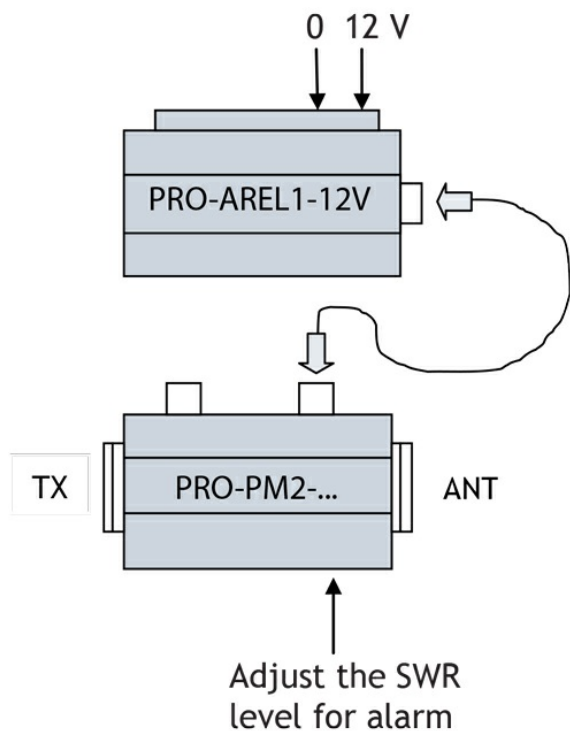
| Model         | Product No. |
|---------------|-------------|
| PRO-AREL1-12V | 210001186   |

SPECIFICATIONS

| Electrical                  |                                      |
|-----------------------------|--------------------------------------|
| Model                       | PRO-AREL1-12V                        |
| Type                        | Alarm box                            |
| Power Supply                | 11 - 14 V                            |
| Current Consumption         | 10 mA                                |
| Current With Alarm          | 30 mA                                |
| Mechanical                  |                                      |
| Relay Contact               | NC/NO AC-DC 1A                       |
| Connection(s)               | Screw terminal and Phono connector   |
| Dimensions                  | 50 x 41 x 20 mm/ 1.97 x 1.61 x 0.79" |
| Weight                      | 0.11 kg / 0.24 lb                    |
| Environmental               |                                      |
| Operating Temperature Range | -30°C to +60°C                       |

## ADDITIONAL DATA

## FUNCTIONAL DIAGRAM



- Connect PRO-AREL1-12V to PRO-PM2-... to REV ANT and connect 12 V to PRO-AREL1-12V.
- Adjust the trimming potentiometer on PRO-PM2-... to minimum (anti-clockwise).
- Connect a load to the PRO-PM2-... corresponding to the SWR required, e.g. 25 ♦ SWR 2:1.
- Connect the signal of the required frequency and power to PRO-PM2-....
- If the alarm is lighting, press RESET. If the alarm does not stop, adjust the trimming potentiometer on the PRO-PM2-2/70 to minimum and press RESET.
- Slowly adjust the trimming potentiometer on the PRO-PM2-... clockwise until the alarm starts.