



Model 625A RF Sensor Instruction Sheet

Installation

1. The Sensing Input signal **must** be a single TV video modulated signal with a maximum signal level of +15 dBmV. Use an external bandpass filter and/or pad for multiple channel feed conditions and levels that exceed +15 dBmV.
2. Connect your single TV video modulated signal to the Sense Input. Make sure the level **does not** exceed +15 dBmV.
3. Connect your primary RF source to the primary input and the alternate RF source to the secondary input. The common output is the RF output of the 625A.
4. Attach the White wire of the power supply provided to the +12 VDC input and the Black wire to ground on the 625A.
5. Connect the external contacts on the connector and ground as desired, for switching or alarm signaling.

Operation

The 625A's sensing circuit monitors the loss of TV video modulated signal. The absence of the modulated signal caused the 625A to automatically switch to the secondary input. It will remain in this state until the modulated signal returns to the sense input causing the 625A to switch back to the primary RF input.

Alarm connection goes to ground through a solid state switch when secondary is active.

Specifications

RF Isolation

> 60 dB @ 450 MHz.
> 48 dB @ 950 MHz.

Safe Sense Input Level

+15 dBmV maximum

Drop-Out Level

0 dBmV, +0, -3 dB; delay ≈ 250 mSec.

Pick-up Level

0 dBmV, +3, -0 dB; delay ≈ 20 mSec.

Power Requirement

Input: 100-240 VAC ±2%, 50/60 Hz
Output: 12 VDC

Physical

5.25"H x 2.75"W x 2"D

Design and specifications are subject to change without notice

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