

MODEL 2010ECL-VA

RMS Signal Monitor Operations Manual

Addendum to the 2010ECL Operations Manual Firmware Version 16AL26xx

1) Red Failure Monitoring

Change section 8.2 Timing Functions to read:

Red Fail (no fault) less than 700 milliseconds
(fault) greater than 1000 milliseconds
(typical) 850 milliseconds

2) Special Function Inputs

Change section 4.1.2 Special Function Preempt Inputs (SF1, SF2) to read:

The pins numbered 8 and 6 of Red Interface connector P1 are Special Function inputs #1 and #2 respectively. Input #1 requires a lack of AC+ input to disable the Red Failure monitoring function during preemption. Input #2 requires an AC+ input to disable the Red Failure monitoring function during preemption. The RED FAIL indicator will then flash once every two seconds to indicate that Red Failure monitoring is disabled.

Option Switch #5 of SW-3 labeled "POLARITY" may be used to change the polarity of the Special Function input #1. When the switch is in the OFF position, the Special Function input #1 will be active when AC+ is not present. When the switch is in the ON position, the Special Function input #1 will be active when AC+ is present. The Polarity switch does not affect Special Function input #2.

| <u>Polarity</u> | <u>SF #1</u> | <u>SF #2</u> | <u>Red Failure Monitoring</u> |
|-----------------|--------------|--------------|-------------------------------|
| off | off | off | disabled - Preempt |
| off | off | on | disabled - Preempt |
| off | on | off | enabled |
| off | on | on | disabled - Preempt |
| on | off | off | enabled |
| on | off | on | disabled - Preempt |
| on | on | off | disabled - Preempt |
| on | on | on | disabled - Preempt |

3) Polarity Switch

Change section 4.4.5 Polarity Switch to read:

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Switch #5 of SW-3 is labeled "POLARITY". When this switch is in the OFF position, the active state of the Special Function input #1 is when AC+ is not present. When this switch is in the ON position, the active state of the Special Function input #1 is inverted (i.e. AC+ present is active).

4) EIA-232 Port

Jumper E2 is installed, driving DCD (pin 1) to the high state. Jumper E3 is installed, connecting CTS (pin 7) to DTR (pin 4).