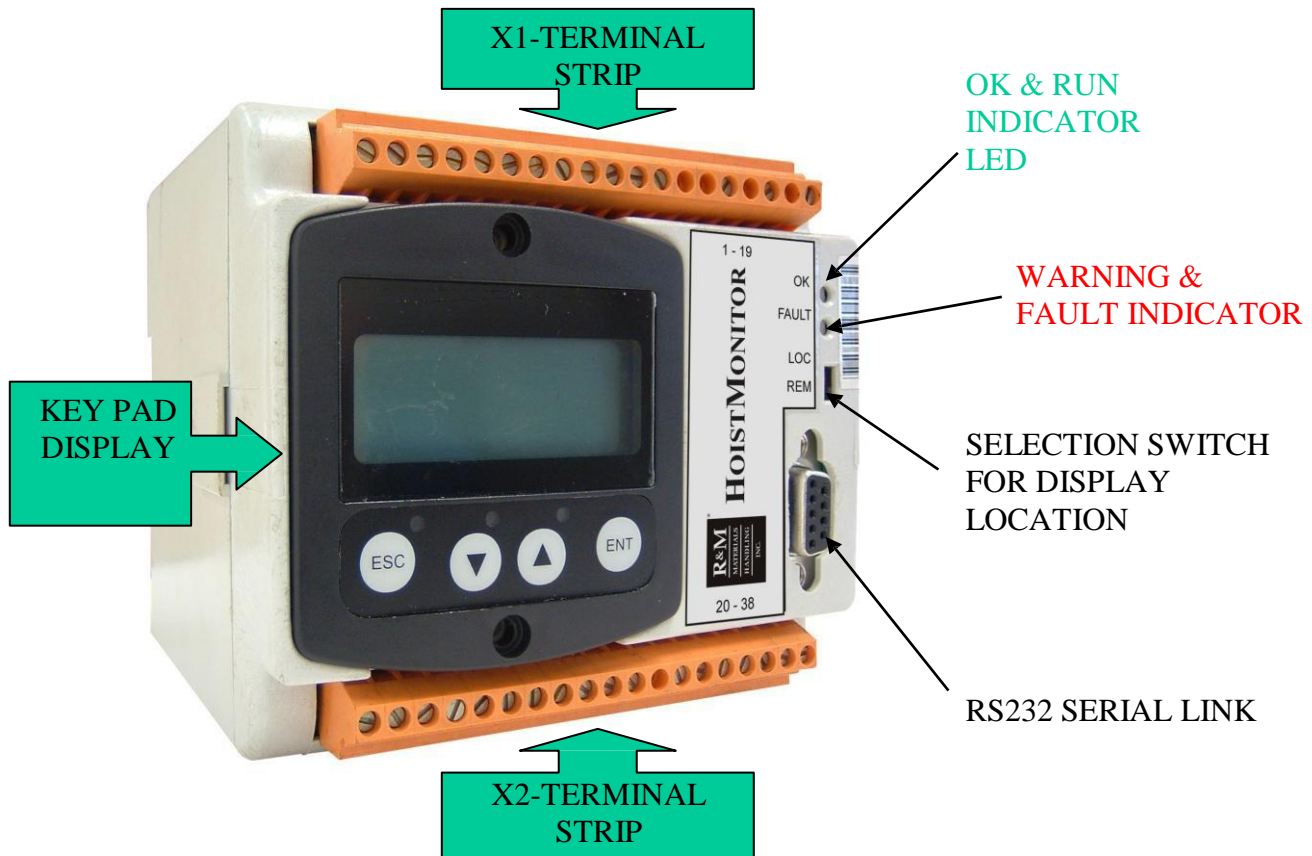


TECHNICAL TIP - HoistMonitor



1. The HoistMonitor® when coupled with the strain gauge (SG) overload device will be completely calibrated by R&M at the Springfield factory given that a full, complete calibration requires measured test weights of at least 80% of the rated capacity of the hoist(s). Exclusions apply. It is important to note that in some cases, fine-tuning of the HoistMonitor® may be needed at the commissioning of the crane/ /hoist and must be performed by others. Fine-tuning does not usually require test weights, but may need a known, measured load.
2. A password of 0732 is needed to access the required parameters, see manual for instructions on load calibration (with sensor).
3. The designation for the top terminal strip is X1, and the bottom terminal strip is X2.
4. If you have a green LED, but no key pad display, check the position of the selection switch for the display location. The down position of the dip switch is for the pendant

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or radio remote, the up position of the switch is for the key pad display. If the switch is in the up position, and there is no display, remove the screws from the top and the bottom of the key pad and check the back of the key pad for proper plug connection.

5. The load display has an accuracy of approximately +/- 5% of the rated load, which is typically not accurate enough for use as a weighing scale.
6. If you have a display on the pendant or radio remote, and experience a “current loop” fault, check the connections on the HoistMonitor at terminal strip X2; 32, 33.
7. If there is only one hoist and one HoistMonitor and a “CAN BUS” fault appears, go to parameter 4-11-1 and confirm “hoist cnt.” to be 1. If there are multiple hoists and multiple HoistMonitors and a “CAN BUS” fault appears, check the connection of the shielded cable at terminal strip X2; 36, 37, 38.
8. For the “CAN BUS” connection, it is recommended to use 360° shield clamps to carry out the ground and terminating point. It is recommended that no more than 1-1/2” of individual conductor be exposed.
9. The amplifier has an output of 2 to 8 volts. It should have an output of 2 volts with 0 volts input from load sensor and 8 volts input with 40mv input from load sensor.
10. You can adjust the output of the amplifier with the zero trim pot. If you cannot adjust the output of the amplifier to 2 volts with the trim pot, you can reverse sensor leads – S or #1 and +S or #4 on the amplifier.
11. The output from the amplifier connects to terminal strip X2, 26 on the HoistMonitor.
12. The 10 volt supply to the amplifier comes from the HoistMonitor terminal strip X2, 30 (0 volts) and terminal strip X2, 25 (10 volts).

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