

MT-2

Extra Track Crossing Module Installation & User Manual December 2017

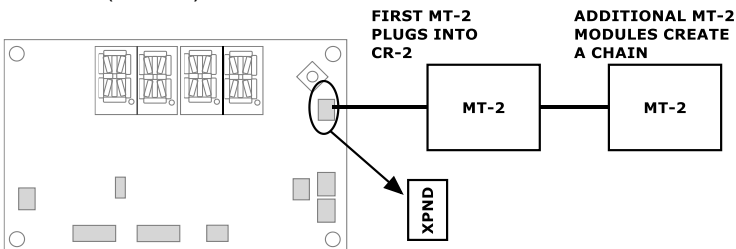
Introduction to the MT-2

The MT-2 extra track crossing controller is an advanced device providing expansion to the CR-2 crossing controller. The MT-2 allows an additional track to be modeled with the CR-2 system. Up to eight tracks can be modeled with the use of seven MT-2 modules.

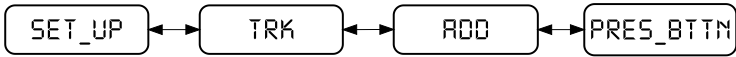
The MT-2 plugs directly into the CR-2 and allows additional MT-2s to be chained together, see figure below. Each MT-2 module is equipped with the standard track detection connector that the CR-2 is equipped with. Hardware connections to train detection are accomplished in the same fashion as discussed in the CR-2 Installation and User Manual.

Installing the MT-2

The MT-2s are powered by the CR-2. With the CR-2 power shut off, plug the MT-2 into the XPND port of the CR-2 as shown below ensuring the pins are aligned properly. Each additional MT-2 plugs into the previous one. Detection connections do not need to be completed at this time, but the crossing may operate if an Active High detection input mode is selected (default).



For the CR-2 to know that the MT-2 is present, the MT-2 module must be added using the CR-2 menu selection shown below.



When the PRES_BTTN message appears, press the pushbutton on the MT-2 that you are trying to add. The MT-2 LED flashes at a very slow rate when the module is not assigned by the CR-2. Once the MT-2 begins communicating with the CR-2 the flash rate begins flashing at a fast rate.

Each time an MT-2 is added to the CR-2, its address is automatically set to the next available track number. Once seven MT-2s are assigned to a CR-2, the ADD menu will no longer be available.

Inputs can be changed from analog to digital and from active high to active low. This is accomplished through the CR-2 track menu. See CR-2 Installation and User Manual for more information.

Maximum Specifications

Minimum Detection Input Voltage -10VDC
Maximum Detection Input Voltage 15VDC

Detection Input Equivalent Circuit

See CR-2 Installation and User Manual

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STANDARD WARRANTY TERMS AND CONDITIONS

1. GENERAL TERMS AND CONDITIONS

- 1.1.** This product has been manufactured to the highest quality standards and is warranted to the original purchaser only. This warranty is not transferable.
- 1.2.** The product is guaranteed to be free from defects in workmanship and parts for a period of 12 months from the date of purchase. Defects that occur within this warranty period, under normal use and care will be repaired or replaced at our discretion, solely at our option with no charge for parts or labour.
- 1.3.** The Warranty is transferable to a new owner, in the event of sale of the Product, provided the new owner has the receipt of purchase and the Product is still within the guaranteed period.

2. PROOF OF PURCHASE

- 1.4.** Please keep your purchase receipt as proof of purchase and as proof of the date on which the purchase was made. The purchase receipt must be presented with the warranty when making a claim under this warranty. If in the event the receipt of purchase is not presented, then this warranty is invalid.

3. SERVICE OR REPLACEMENT DURING THE WARRANTY PERIOD

- 1.5.** Under normal warranty conditions the product must be returned to the Retailer or Signalogic Systems. Please ensure that the product is properly packaged so as to ensure that no damage occurs to the product during transit. Also make sure you have included an explanation of the problem.
- 1.6.** In the event that the goods requiring repair under warranty, the owner is responsible for the cost of transportation to and from the service centre. Whilst in transit the goods are at the owner's risk.
- 1.7.** Should the goods be found in sound working order the owner may be charged a fee.

4. GENERAL EXCLUSIONS AND LIMITATIONS

- 1.8.** This warranty is limited to defects in workmanship or parts. All defective products or parts will be repaired or replaced. This warranty does not extend to accessories. This warranty does not cover manuals and packaging, connected devices or wiring.
- 1.9.** This warranty does not cover any defect caused by an accident, misuse, abuse, improper installation or operation, lack of reasonable care, unauthorized modification, loss of parts, tampering or attempted repair by a person not authorized by the distributor.
- 1.10.** The warranty will not apply if the factory-applied serial number has been altered or removed from the Product.
- 1.11.** The warranty will not apply if damage, malfunction or failure resulting from alterations, accident, misuse, abuse, fire, liquid spillage, mis-adjustment of customer controls, use on an incorrect voltage, power surges and dips, thunderstorm activity, acts of God, voltage supply problems, tampering or unauthorized repairs by any persons, use of defective or incompatible accessories, exposure to abnormally corrosive conditions or entry by any foreign object in the Product.
- 1.12.** Signalogic Systems' aggregate liability in respect of all claims under the Warranty shall not exceed the original purchase price of the Product or, at Signalogic Systems' option, the cost of replacing the Product.