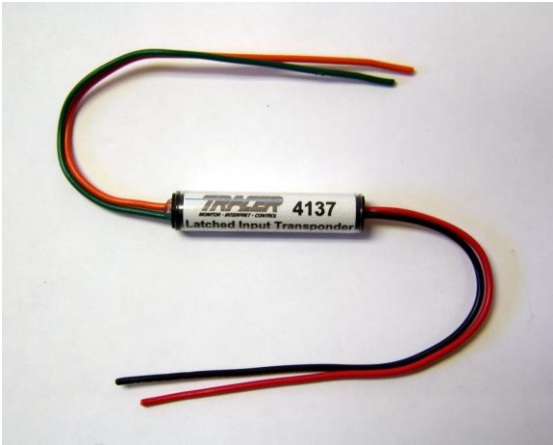


4137 Latching Input Module, Miniature Transponder



Tracer's 4137 Latching Input Module

Single Wire T-Buss™ Loop

99 IDMs Scanned 6x/SEC

DIGITAL INPUT

Any floating contact can be read by the 4137. The IDM will remember an activation until read by your host system. The IDM can be configured for N.O. or N.C input via the TPU-7 programmer/tester.

PROGRAMMING

The 4137 can be set to any address from 0 to 255. The address is stored internally in an EEPROM. The address is written into the module through the 2-wires connected to the T-Buss™, and can actually be changed while the module is on the T-Buss™. An available TPU-7 Programmer/tester is available through Tracer.

Note: TCU-7 supports IDM numbers 1-99.

APPROVALS

The T-Buss™ and its components meet or exceed such standards as UL 864.

Note: The wires need to be tie wrapped to the body to pass the 10 lb pull test.

HIGHLIGHTS

- Very Low Cost
- Miniature Size
- High Noise Immunity
- Reads and Latches an input.
- Ideal for break glass sensors.

DESCRIPTION

The 4137 contact input transponder is compatible with Tracer's T-Buss™ multiplex system. It finds uses as an input module for contacts that may only produce a momentary activation. The 4-wire module connects to the T-Buss™ (2-wires) and a contact that is to be monitored (2 wires).

The T-BUSS

The T-Buss™ is Tracer's patented low-cost multiplex system. Two-wires are used to power the ID Modules (IDMs), to send commands to the modules and to receive their data. The commands from the central polling controller to the IDMs take the form of modulating the Buss voltage between 0 and 10v. The data returned from the modules is in the form of increased T-Buss™ current.

For technical details on the T-Buss™ and its protocol, please contact Tracer's marketing group.

Patented Technology

High Noise Immunity

SPECIFICATIONS

T-Buss™ Voltage:	8v to 16v (supplied by TCU-7/M)
T-Buss™ Duty Cycle:	50% to 100%
T-Buss™ Current:	15uA typical @ 7v 60uA @ 10v
Sub-Loop Current:	0 to 15 mA @ 10v (at contact input)
Operating power:	Supplied by T-Buss™
T-Buss™ Wiring:	18 - 22 AWG twisted (unshielded), 6,000 feet or 150 Ohms
Dimension, Body:	9 mm dia x 42 mm long
Leads:	22 AWG, approx 142 MM long (power limited) Red(+), Black (-) to T-Buss™ White, Yellow to contact input

Note: In Modbus operation, the 4137 must be unlatched by executing the 2 command sequence of “Force Single Coil” on 2nd off.

