Manuals+ — User Manuals Simplified.

TRAXALL 720 Multi Source Magnetic Pipeline Pig Location and Tracking System User Guide

Contents

720 Multi Source Magnetic Pipeline Pig Location and Tracking System

Models 770 & 720 Bulkhead to Client Device Cable Installation and User Guide

The TRAXALL Bulkhead-to-Client Device Cable is manufactured by CDI and provided for connection of a user-provided device to the TRAXALL 720 or 770 Programmable Relay Port. The Relay Port is a single 12-pin port which supports two separate relay circuits (RELAY 1 and RELAY 2), either of which can be configured as normally open or closed. Typical devices include lights, horns and other audial/visual equipment used where an unmanned passage annunciation must be monitored.

Features and Capabilities:

- TRAXALL Remote Control
- FieldLink
- Configurator products are covered under United States Patents
- The TRAXALL family of transmitters is covered under United States Patent No. 9172406

WARNING:

Any operation involving work on pipelines containing gases or liquids under pressure is potentially hazardous. It is necessary, therefore, to follow correct procedures in the use of this equipment to maintain a safe working environment. No person should use this equipment unless fully aware of potential hazards of working with pressurized pipelines and trained in the procedures stated in this manual. The purchaser of this equipment is responsible for the training and competence of operators and the manner in which it is used. Contact CDI immediately should any difficulty arise in the use of this equipment.

About TRAXALL Device Cable

This user guide provides information about the TRAXALL Device Cable, which is used to connect a user-provided device to the TRAXALL 720 or 770 Programmable Relay Port. This document is subject to change without notice and applies only to the version of software, hardware, or firmware described on the title page.

About This User Guide

Conventions used in this publication and indicate you are to press Up, Down, Right, Left, or Enter on the TRAXALL keypad:

Menu options will appear in this guide exactly as displayed.
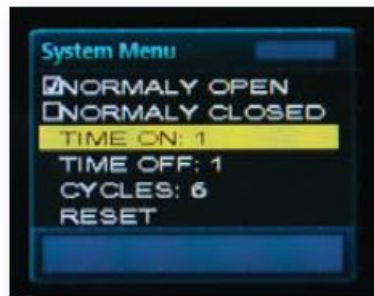
Gray arrows indicate menu sequence, progression, or transition:
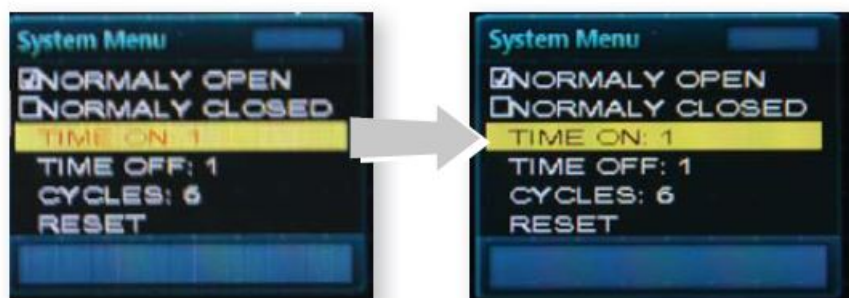
Red arrows point out specific items, details, or required action.

Getting Started: Using Your Device Cable

To use your device cable, follow the steps below:

1. Open the Relay Port dust cap.
2. Slide outer shell back.
3. Insert onto port. Take care not to bend or break pins.

System Menu: Programming TRAXALL Relays

Set up and program the two RELAYS for various pulse train behavior. The relay contacts can be used for passage annunciation (lights, horns, etc.), a very useful feature where an unmanned passage must be monitored. RELAY ONE and/or RELAY TWO can be set or NORMALLY OPEN, NORMALLY CLOSED, TIME ON or OFF, and CYCLES. Relay dwell times are in seconds. Values are displayed in red until set.

OVERVIEW

Features and Capabilities
The TRAXALL Bulkhead-to-Client Device Cable is manufactured by CDI and provided for the connection of a user-provided device to the TRAXALL 720 or 770 Programmable Relay Port. Typical devices include lights, horns and other audial/visual equipment used where an unmanned passage annunciation must be monitored. The Relay Port is a single 12-pin port that supports two separate relay circuits (RELAY 1 and RELAY 2), either of which can be configured as normally open or closed.

⚠️ NOTE: It is the customer's responsibility to ensure attached circuity or device functionality does not exceed TRAXALL relay electrical ratings.

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See pg. g for Relay Port specifications. See your TRAXALL 720/770 User Guide (CDI Publication for setup and operation Of your TRAXALL 720/770.

USING YOUR DEVICE CABLE

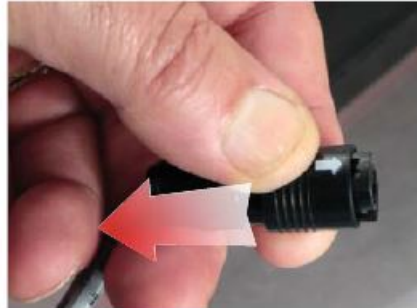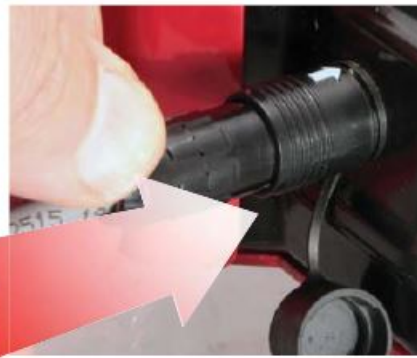**Connection**

OPEN Relay Port dust cap.

SLIDE outer shell back.

INSERT onto port. Take care not to bend or break pins.

Programming TRAXALL Relays

Relay Options
Set up and program the two RELAYS for various pulse train behavior. The relay contacts can be used for passage annunciation (lights, horns, etc.), a very useful feature where an unmanned passage must be monitored.

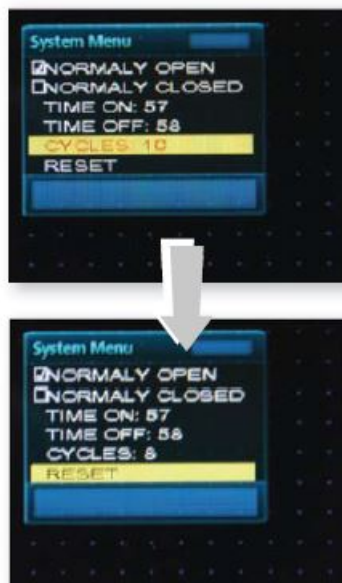RELAY ONE and/or RELAY TWO can be set for NORMALLY OPEN, NORMALLY CLOSED, TIME ON or OFF, and CYCLES.

Relay dwell to mes are in seconds. Values are displayed in red until confi rmed by, at which point values are shown in black.

Relay Options (cont.)
Set CYCLES for desired number of relay repetitions.

RESET deactivates a triggered relay.(It does not change relay settings.)

Warranty

All equipment sold by Control Devices, Incorporated (CDI) is warranted for a period of one (1) year from the date of shipment to Purchaser, providing the instrument or equipment has not been modified, abused, or used for purposes which it was not designed for. Batteries, probes, leads, magnets, and other consumables subject to wear are not covered by this warranty. CDI will repair or replace faulty equipment during the warranty period when the cause is a defect arising from faulty design, materials or workmanship.

Making a Warranty Claim

Equipment being considered for warranty repair, or a representative sample thereof, must be returned to CDI at the Purchaser's expense. The equipment must be accompanied by the Purchaser's written order* describing the defect(s) and authorizing CDI to invoice the Purchaser for any charges not covered by the warranty. upon receipt of the equipment and Purchase Order, CDI will examine the equipment and make a determination of the nature and cause of the defect. If the defect is not covered by the warranty, CDI will quote to Purchaser the cost for replacement or repair equipment, and will not proceed until Purchaser delivers a written acceptance of the quotation. During the one year warranty, CDI will bear the cost to return units repaired under the warranty back to the Purchaser's domestic premises. CDI will return units to foreign countries at Purchaser's expense.

Care and Maintenance

Equipment designed by CDI is protected against the environment in which it is intended to operate. Much of the equipment is designed for prolonged use in the field without any special maintenance other than routine battery

replacements. It is the Purchaser's responsibility to insure that proper precautions are taken during installation and operation so that weather seals are in place, routine maintenance occurs, etc. Failure to perform these operations nullifies this warranty. CDI equipment should only be operated by qualified personnel who are familiar with any and all manuals and procedures for said equipment's operation.

Service and Repairs

Cost for repairs not covered by the warranty or carried out after the warranty period has expired will be charged at the current hourly or set service rate, plus the cost of materials, upon approval by Purchaser. Equipment for repair must be sent at the Purchaser's expense and be accompanied by the Purchaser's written order describing the defect and authorizing CDI to invoice the Purchaser for labor, materials and return delivery cost. No service or repair will be undertaken until an approved written order is received from the Purchaser. Operating equipment while in a damaged condition nullifies this warranty.

ABOUT CDI

CDI is a family-owned and operated business located in Broken Arrow, Oklahoma, just 12 miles from downtown Tulsa. Incorporated in 1982, CDI has proudly been manufacturing products in the united States for more than 32 years. CDI currently employs 45 people in the areas of electronics and mechanical design, software and firmware programming, electronics manufacture, machining, and more. All CDI products are designed and built completely in-house utilizing an on- premises machine shop boasting six fully-automated CNC machines as well as full-time electronics assembly personnel.

WARNING

Any operation involving work on pipelines containing gases or liquids under pressure is potentially hazardous. It is necessary, therefore, to follow correct procedures in the use Of this equipment to maintain a safe working environment. NO person should use this equipment unless fully aware Of potential hazards Of working with pressurized pipelines and trained in the procedures stated in this manual. The purchaser Of this equipment is responsible for the training and competence Of operators and the manner in which it is used. Contact CDI immediately should any difficulty arise in the use Of this equipment.

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Documents / Resources

TRAXALL logo image	**TRAXALL 720 Multi Source Magnetic Pipeline Pig Location and Tracking System** [pdf] User Guide 720, 770, 720 Multi Source Magnetic Pipeline Pig Location and Tracking System, Multi Source Magnetic Pipeline Pig Location and Tracking System, Magnetic Pipeline Pig Location and Tracking System, Pipeline Pig Location and Tracking System, Location and Tracking System

References

- 🔴 **CDI – Pipeline Pig Tracking Systems and Software**