TEK INDUSTRIES UMBILICAL

TBU8

8-Conductor Cable Power and Security Link

OVERVIEW

TEK Umbilicals can be connected to any alarm or access control system or device. Umbilicals allow you to expand hardwired systems from more permanent structures out to mobile, temporary, or exposed assets (like office, storage, construction & race trailers, event kiosks, RV's, boats, etc.). Umbilicals can also be used to supply power for low voltage devices and battery charging, and TBU8 base stations can act as mini control panels for single asset security and stand-alone access control applications. Customizations available. Made in the USA.

TBU8 - Single Port Base for Multipurpose Cable

INTEGRATIONS, CONTROL AND SUPERVISIONS

Integrations

- Protect valuable assets by linking them to your security system
- Bring your security system to remote locations
- Provides up to 24V, 5A of power.
- Can be used for temporary, daily, semi-permanent, or permanent security.
- Cables up to 50 feet available standard, longer cables can be custom made.

Relay Outputs

- 2 relay outputs for local alarm indicator as well as indicating to a security system.
  - Siren
    - Closes on any fault
    - Adjustable timeout from 0.5 seconds to 5 minutes or no timeout
  - Loop Status - Always indicates status of the loop
  - Other operation modes are selectable
  - Relay operation can be customized

Fault Detection

The system can detect a number of different faults. When any fault is detected, the corresponding actions are taken based on the selected mode and armed/disarmed status. Following are some of the faults that can be detected:

- Broken wire or disconnected cable
- Shorted port or cable
- Box tamper
- Remote box fault

SPECIFICATIONS

Visual Indicators

- Two LEDs on the front of the box; yellow & red.

Electrical

- Operating Voltage: 12-24 VDC
- Maximum Load Current: 120 mA
- Maximum Pass-Through Current: 5A
- Security system pass-through: 4 wires, 20 AWG
- Relay Ratings: 10A, 48V for siren, 2A, 48V for all others

Mechanical

- NEMA 4, 4X, 12, 13, IP66 enclosure is suitable for permanent outdoor installations as well as other tough environments.
- TamperLoop™ Technology deters tampering at all points in the system.
- Abrasion and Crush resistant polyurethane jacketed cable for durability in tough indoor and outdoor applications
- Available with Aramid Armor™ or Stainless Steel Mesh Armor for even higher durability.

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