Heavy Duty Keypad

TS0006

Overview

The TS0006 is an access control keypad for the Challenger Control Panel. Typically used to authenticate user access to a door, the keypad can easily be used for arming/disarming areas as well.

Challenger access keypads can be connected at a distance of 1.5kms from either the Challenger panel via the RS-485 LAN for simple door control, or via an Intelligent Access Controller for comprehensive access control functionality.

The TS0006 is a heavy-duty keypad primarily designed for outdoor use. It provides PIN based user access to a door, or basic alarm functionality to secure an area or the entire system. The strong metal construction of the TS0006 ensures its strength and durability. The keys and housing are stainless steel and it is designed to resist weather and vandalism. The heavy-duty keypad is flush mounted and the electronics are separated to ensure the maximum resistance against vandalism or sabotage. The unit can be mounted on brick, metal work or in a custom enclosure and is supplied in kit form to accommodate these mounting options. Like the electronics the LED indicators are provided separately to be mounted in the area of the keypad or in a different more secure area.

Features

- PIN code entry for access control

- PIN code entry to arm/disarm area or system

- LED indicators

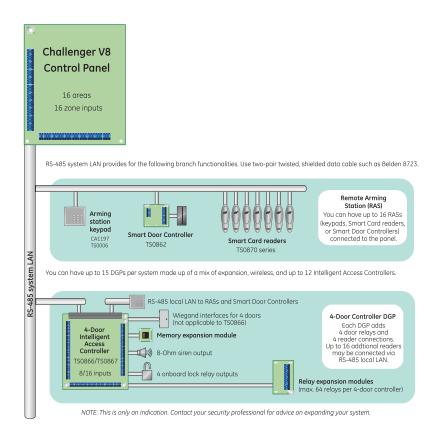- Suitable for outdoor use

- Robust design

- Tamper resistant

System Block Diagram

Challenger V8 Control Panel

16 areas
16 zone inputs

RS-485 system LAN provides for the following branch functionalities. Use two-pair twisted, shielded data cable such as Belden 8723.

RS-485 system LAN

Arming station keypad
CA1197
TS0006

Smart Door Controller
TS0862

Smart Card readers
TS0870 series

Remote Arming Station (RAS)
You can have up to 16 RASs (keypads, Smart Card readers, or Smart Door Controllers) connected to the panel.

You can have up to 15 DGPs per system made up of a mix of expansion, wireless, and up to 12 Intelligent Access Controllers.

RS-485 local LAN to RASs and Smart Door Controllers

4-Door Intelligent Access Controller
TS0866/TS0867
8/16 inputs

Wiegand interfaces for 4 doors (not applicable to TS0866)

Memory expansion module

8-Ohm siren output

4 onboard lock relay outputs

4-Door Controller DGP
Each DGP adds 4 door relays and 4 reader connections. Up to 16 addtional readers may be connected via RS-485 local LAN.

Relay expansion modules
(max. 64 relays per 4-door controller)

NOTE: This is only an indication. Contact your security professional for advice on expanding your system.

Specifications

Supply voltage	10.5 - 13.8 VDC
Current consumption	70 mA max
Open collector output	1 (50 mA max)
"Request to exit" input	Yes
Max. distance from panel	1.5 km
Max. number per panel bus	16
Specified cable	Belden 8723 or equivalent
Addressing	DIP switch
Dimensions (W X H)	100 mm x 119mm
Operating temperature	0 to +50ºC
Colour	Metallic

Ordering Information

TS0006	Heavy Duty 4 LED Arming Station

TS0073-DS-210429-7