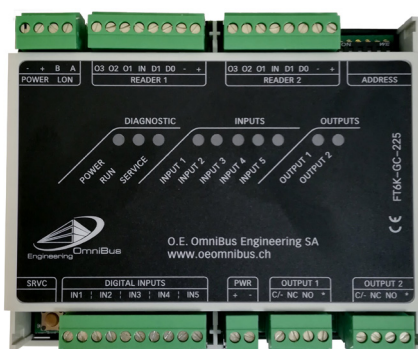


Gate Controller FT6K-GC-225

A single module for the integrated and complete access control management of each gate.



DESCRIPTION

The Lonworks® module FT6K-GC-225 (Lonworks Gate Controller) is part of the OmniACCESS product line. It is an access point controller for access control systems, and it is designed to perform the following tasks:

Interface towards badge readers

It allows to connect up to 2 commercial badge readers which have standard Wiegand or Data & Clock interfaces, and it allows to manage the activation of acoustic and visual indicators installed on the badge readers with three Open Collector outputs. The module also provides for the reader's power supply with 5V, 12V or Vin outputs.

Management of the I/O access point

The module allows for you to manage the following states of the access point:

- Up to two electrical locks controlled through relays with NA or NC contacts.
- Magnetic contacts to control the state of the access point.
- Buttons which lead to the opening of the access point.
- Signals of breaking in/tampering.

Lonworks® Communication

The module allows the communication with other modules with Lonworks® networks through standard variables, and in particular towards the Field Server Module, which is the main source of management for the OmniACCESS access control system.

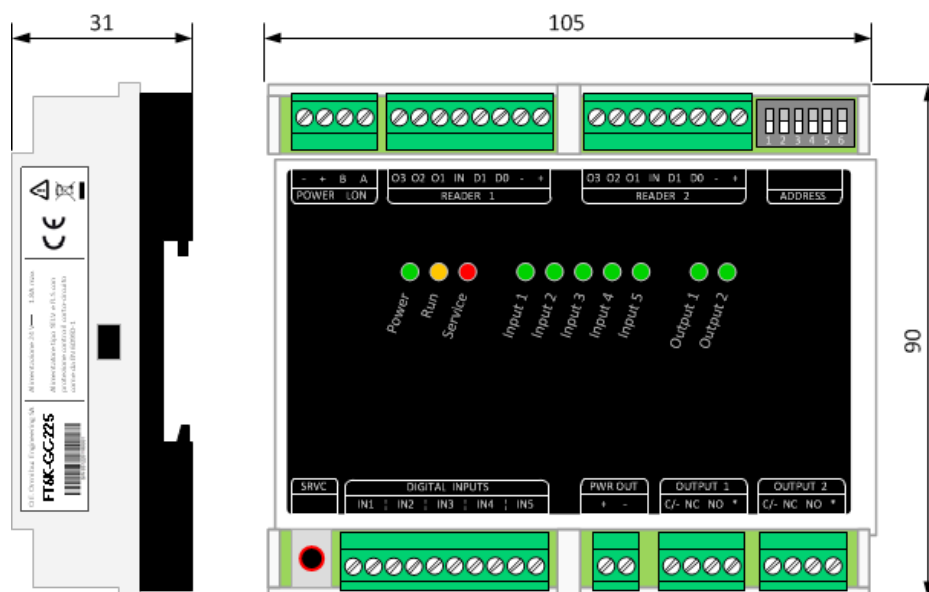


GATE CONTROLLER FT6K-GC-225

Technical Specifications

Power supply	10 .. 30 V SELV and LPS power supply with short-circuit protection in according to EN 60950-1 standard.Fusible of protection Littelfuse 160003. Maximum consumption (compresi dispositivi collegati): 1.8 A
Interfacce di comunicazione	1 x Lonworks FTT-10 interface - 78Kbps 2-wire without polarity 2 x Badge reader interfaces with the following features: - Wiegand or Data & Clock communication selectable from software - Reader power supply selectable via jumper and protected with fuse 5 V 1A max, protection fuse Littelfuse 160001 12 V 1A max, protection fuse Littelfuse 160011 Vin 1.5A max, protection fuse Littelfuse 16001.5 The maximum currents indicated are intended as the sum of the 2 interfaces: - 1 active digital input to GND - 3 open-collector outputs active at GND (max absorption 100 mA)
CPU	FT6050 Smart Transceiver with FT-X3 communication transformer 512 KB SPI Flash
Digital outputs	2 relays with NA and NC contacts. Characteristics of the capacitive loads: Max. switching power : 60 W Max. switching voltage: 30 VDC Max. switching current : 2 A
Digital inputs	5 self-powered digital inputs (Potential free contacts).
Temperature range for use	Temperature: 0 ... +45 °C, Umidity: 10..90% @ +50°C non-condensing
Temperature range for storage	Temperature: -10°...+60 °C, Umidity: 10..90% @ +50°C non-condensing
Protezione ambientale	IP20
Container	Polycarbonate container (UL 94 V-0) white (top) and black (bottom)
Dimensions	6TE 105 x 90 x 31 mm (length x width x height))
Installation	With DIN bar, according to EN 50022

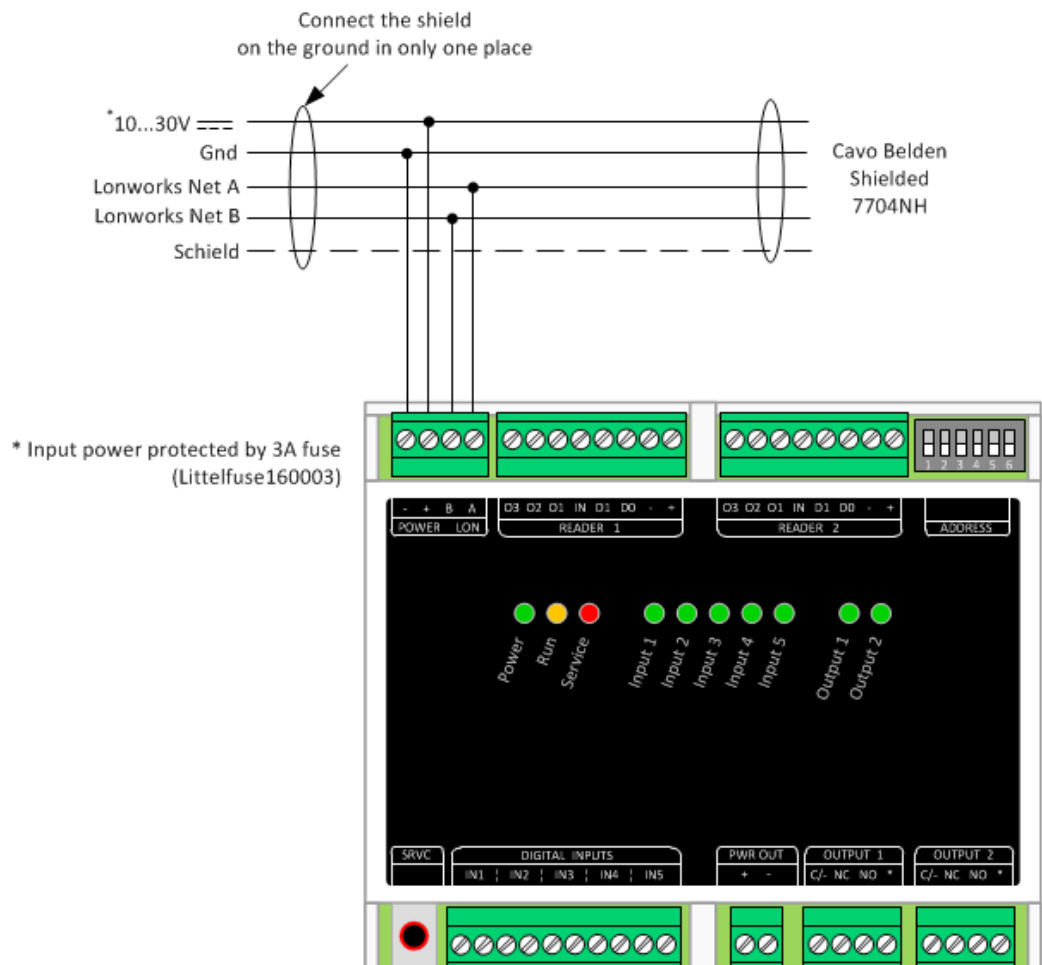
Size and Layout (mm)



GATE CONTROLLER FT6K-GC225

Cabling

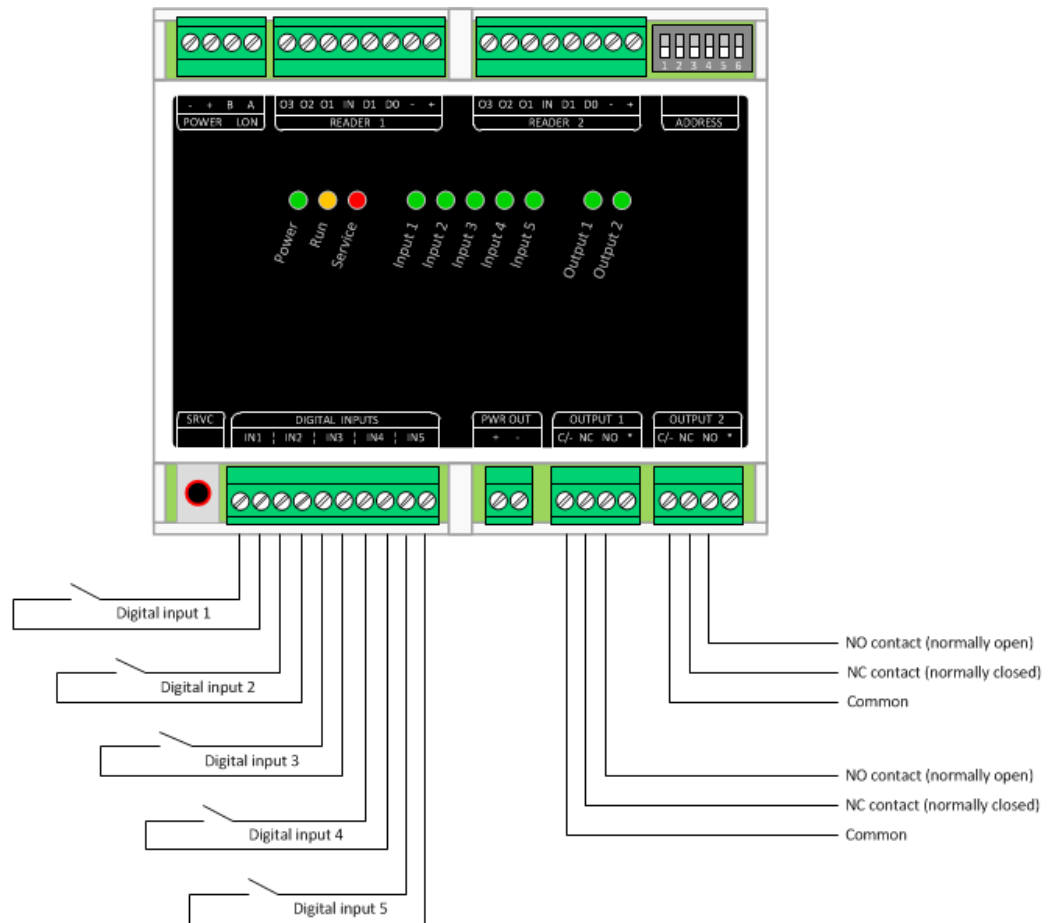
Power supply



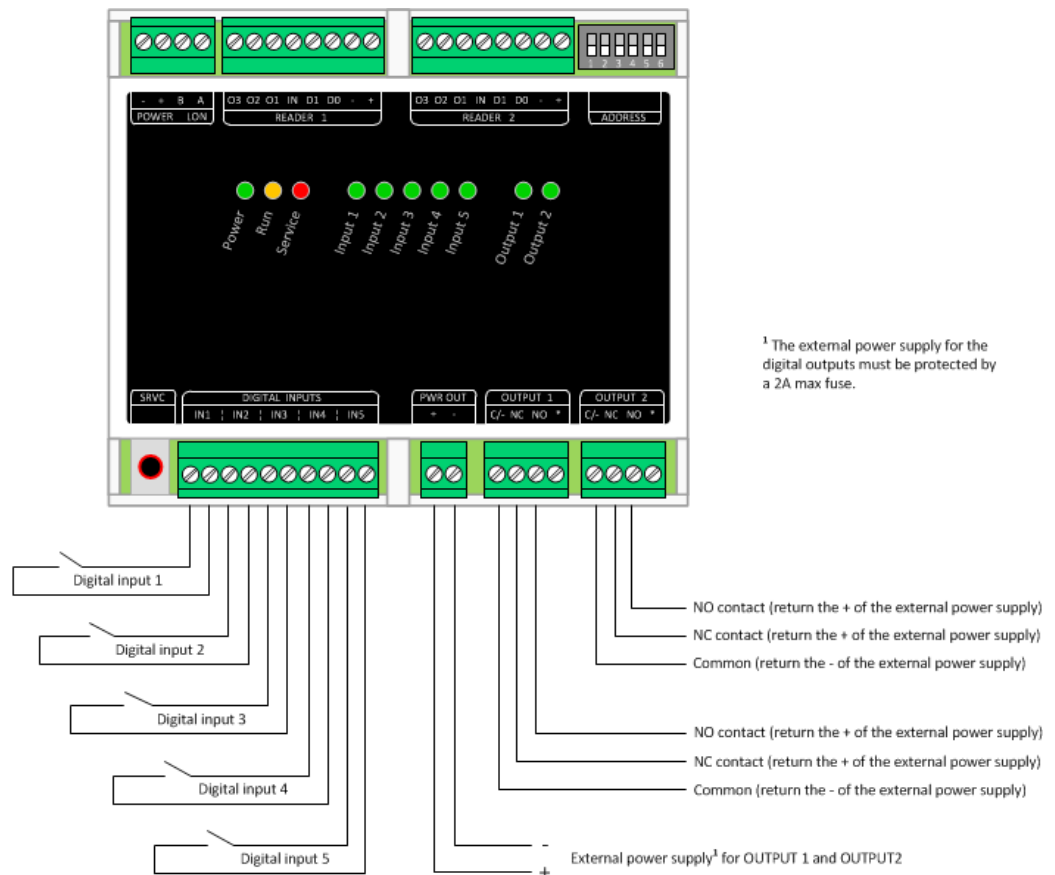
GATE CONTROLLER FT6K-GC225

Cabling

I/O outputs to potential-free contacts



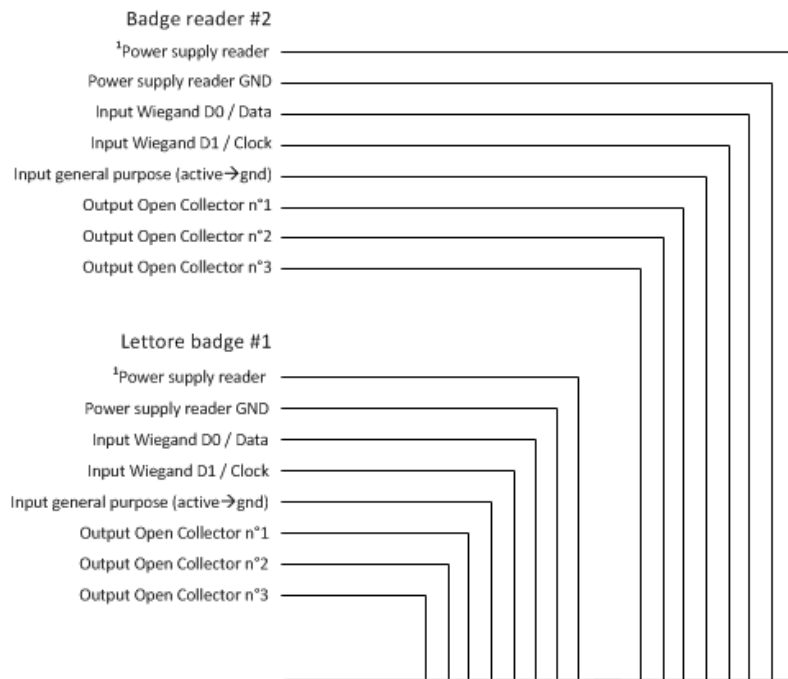
I/O outputs with external power supply



GATE CONTROLLER FT6K-GC225

Cabling

Badge readers



¹Power Supply reader
 Selectable by internal jumper

+5V == 1A max, fusibile Littelfuse 160001
 +12V == 1A max, fusibile Littelfuse 160001
 Vin 1.5A max, fusibile Littelfuse 16001.5

!! The indicated maximum currents are intended as the sum of the 2 interfaces.

