

DS7465i Input/Output Module

Prod. ID	DS7465i
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The DS7465i is an Input/Output Module designed to operate with compatible multiplex systems. It is DIP switch programmable. It supplies a Form "C" relay (output zone) to be programmed to activate on several different system events. The DS7465i also provides an input zone intended to monitor conventional Normally Open (N/O) or Normally Closed (N/C) contacts and report their status as a multiplex address to the control system. The DS7465i occupies two multiplex addresses. Up to sixty DS7465i modules can be used on the DS7400Xi Control Panels or the Bosch Security Systems' D8125 MUX Expansion Module.

■ Features

- Supervises one power-limited input zone
- Provides one output relay
- Can be used in UL Listed fire and security applications
- DIP switch programmable

■ Basic Functions

Supervised input zone

The power-limited input zone is designed to monitor N/O or N/C dry contacts. It is supervised using 47 k Ω end-of-line (EOL) resistors.

Output Relay

Use output relay only on power limited circuits. The relay contacts are rated 1 A @ 30 VDC for resistive loads. Do not use the output relay with inductive or capacitive loads.

■ Approvals

UL Standards	UL365, Police Station Connected Burglar Alarm Units and Systems
	UL464, Audible Signaling Devices
	UL609, Local Burglar Alarm Units and Systems
	UL864, Control Units for Fire-Protective Signaling Systems
	UL985, Household Fire Warning System Units
	UL1023, Household Burglar-Alarm System Units
	UL1610, Central-Station Burglar-Alarm Units
	UL1635, Digital Alarm Communicator System Units

Approval **CE**

■ Planning

Fire Applications

For UL Listed fire installations, Normally Open (N/O) contacts must be used. For fire installations, order Multiplex Fire Zone EOL (P/N: 28010) in the quantity needed.

Wiring

The recommended wiring to the control is standard #18 AWG (1.2 mm) or #22 AWG (0.8 mm) quad (4-wire) cable. Do not use shielded cable.

The length of the wiring connected to the protection loop (and tamper loop) on the DS7465i must be less than 250 ft. (76 m).

■ Technical Specifications

Environmental Considerations	
Temperature (Operating):	32°F to +122°F (0°C to +50°C)
Power Requirements	
Current Draw:	1 mA standby and alarm
Voltage (minimum):	8 VDC peak
Relay Contact Rating:	1 A at 30 VDC
Zones	
Requirements:	One multiplex address
Response Time:	400 ms

■ Hardware Options

26069 Multiplex Zone EOL

47 kΩ End-Of-Line Resistor for terminating protection loops in non-fire applications.

28010 Multiplex Fire Zone EOL

47 kΩ End-Of-Line Resistor for terminating protection loops in fire applications.