



# OM-120

## Multiple Output Extension Module

OM-120 is a multiple output extension module which controls up to 12 output relays. It can be used as elevator controller with BioStar 2 system. Max. 31 units can be connected to a master device via RS485 daisy chain. OM-120 can also support anti-passback zone and fire alarm zone features.



Features



Configuration



Specifications



Compatible Devices



Download

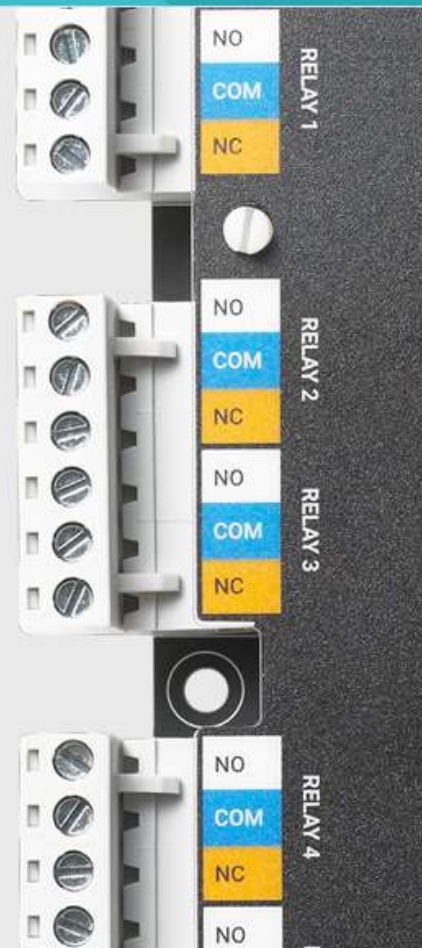


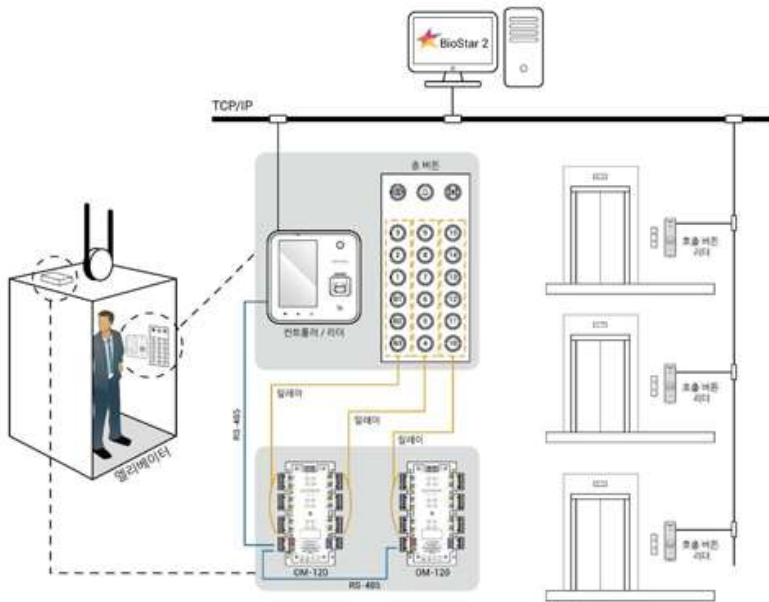
Inquiry

## Features

- 12 output relays per unit
- Controls max. 192 floors per elevator
- Preset alert for alarms in APB zones
- Elevator groups can be added to a certain fire alarm zone
- Terminating resistance for RS-485 connections

[Please refer application notes for various configurations.>](#)





## Elevator Control up to 192 Floors

OM-120 can be configured to control doors with BioStar 2 system. Up to 192 floors can be controlled per elevator and BioStar 2 system can control max. 1,000 elevators.

## Versatile Interfaces

Along with elevator control, OM-120 produces various output signals including preset relay signals to entrances and different zones. For fire alarm zone, input/output can easily be configured using aux and relay ports.

# Specification

|                   |  |  |
|-------------------|--|--|
| <b>General</b>    | <b>CPU</b><br><b>Memory</b><br><br><b>LED</b><br><br><b>Operating temperature</b><br><b>Storage temperature</b><br><b>Operating humidity</b><br><b>Storage humidity</b><br><b>Dimension (W x H x D)</b><br><b>Weight</b><br><b>Certificates</b><br><b>Output</b> | Cortex M3 72MHz<br>Flash 128KB, SRAM 20KB<br>Multi-color<br>- Power 1 ea<br>- Relays 12 ea<br>- RS-485 2 ea<br>- AUX IN 1 ea<br>- Status 1 ea<br>-20°C ~ 60°C<br>-40°C ~ 70°C<br>0% ~ 95%, non-condensing<br>0% ~ 95%, non-condensing<br>90 mm x 190 mm x 21 mm<br>300 g<br>CE, FCC, KC, RoHS, REACH, WEEE<br>TTL Output x 6 |
| <b>Interface</b>  | <b>RS-485</b><br><b>AUX input</b><br><b>Relay</b>  | 1ch<br>2ch Dry Contact Input<br>12 Relays  |
| <b>Electrical</b> | <b>Power</b><br><br><b>Switch input VIH</b><br><br><b>Relay</b>  | Voltage: 12 VDC<br>Current: Max. 1 A<br><br>Max. 5 V (Dry Contact)<br><br>Voltage: Max. 30 VDC<br>Current: 5 A   |

## Compatible Devices



BioStation 2



Xpass



Xpass S2



Secure I/O 2



BioStation A2



BioStation L2



BioEntry W2