

UNIT FCBB-2 DATASHEET

USE

FCBB-2 unit is designed to be used as a slave unit with FICO-MINI or FICO-PRO. The unit cannot be used stand alone.
The FCBB-2 implements functions to control up to 2 fire dampers and 2 smoke detector groups.

ACCESSORY

FDKC-2 = UG-3-0 Smoke detector for ducts, Optical, L = 600 mm
FDKC-4 = UG-3-0-M Smoke detector for ducts, Optical with auxiliary fan
FDRC-2 = EVC-PY-DA Smoke detector for rooms, Optical + UB-6
FDKS-1 = SOS2.30 Smoke detector for ducts, Optical, L = 350 mm
FDKS-2 = SOS2.60 Smoke detector for ducts, Optical, L = 600 mm

ORDERING

FCBB-2

MECHANICAL DESIGN

Indicators

Individual status indicators exists for all fire damper and detector connections. Each function is identified by single color led.

Status	●	●	Service
ALARM	●	●	LINK
OPEN	●	●	OPEN
CLOSE	●	●	CLOSE
FIRE	●	●	FIRE
SERVICE	●	●	SERVICE

Push button

The unit implements two push buttons. One for local testing and one for resetting alarms.

Buzzer

Every device implements a buzzer for easier localization. Sound can be disabled by pressing the test button.



TECHNICAL DATA

Electrical interface	
Supply	
Supply voltage	230V AC ±15% 50/60 Hz
Power consumption	20 VA
Functional data	
Digital inputs	Max 40 VDC
Motor supply	Max 450 mA
Smoke detectors	
Siemens	2x SOS2.xx
Calectro	UG-3-0
Calectro	EVC-PY-DA
Protection class	
	IP54 as per IEC 60 529
Connections	
Electrical connections	
- Screw terminals for mains	Max 2.5 mm ² (wire or stranded)
- Screw terminals other	Max 1.5 mm ² (wire or stranded)
Environmental conditions	
Permissible ambient temperature	
- Operation	-20...50 °C (non-condensing)
- Transport/storage	-30...80 °C (non-condensing)
Permissible ambient humidity	< 90% r.h. (without condensation)
Directives, standards	
conformity as per EMC guidelines	2014/30/EU
- Immunity	EN 61 326-1
- Emissions	EN 61 326-2-3
Weight	
Product including package	0.6 kg

ENGINEERING

Installation of this product must be carried out by a certified electrician.

No work on mains powered devices can be carried out before an engineer completely reads and understands this manual.

Warning

Opening the cover of the device will expose areas where mains voltage (230VAC) exist inside the product.

Before any such action takes place, mains power must always be switched off.

Special action needs to take place to ensure that any external connection to relay functions are also disconnected from mains before work is started.



No accidental contact with mains voltage (supply or relay functions) are allowed.

Failing to comply with this, may result in serious injury or death.

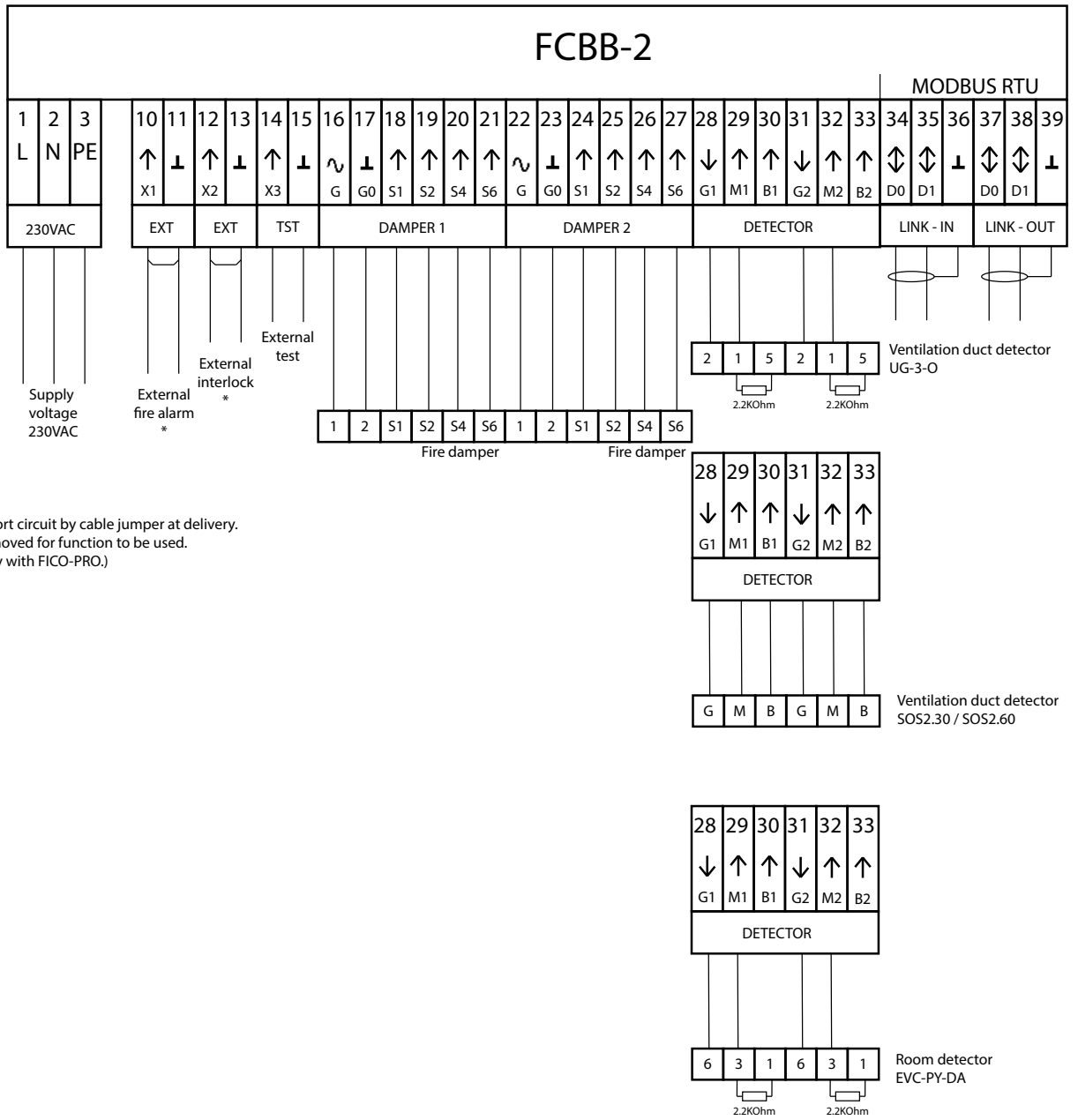
- Use external protection for inductive load of relay functions
- Use appropriate external fuse for over current protection of relay outputs.
- Do not mix SELV / PELV and line voltage on the same terminal
- 230VAC cables must be double insulated against safety extra-low voltage (SELV) cables.
- Fire damper motor cables and end position switches must be double insulated against PELV and SELV cables.
- Signal cables must be double insulated against PELV and SELV cables.

SAFETY



When installing the product, national safety regulations MUST be fulfilled for all phases of the installation. Failure to comply with national safety regulations, may result in personal injury, loss of life and property damage.

CONNECTION DIAGRAM



* Connection short circuit by cable jumper at delivery. Need to be removed for function to be used. (Only necessary with FICO-PRO)

DIMENSIONS

