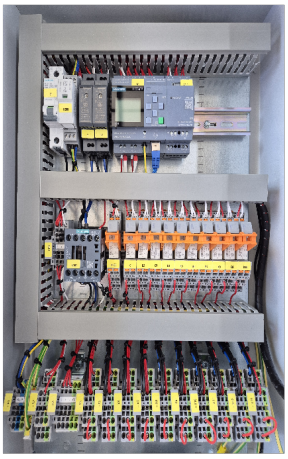
18676 - Quickguide Quantec Building AC cabinet for up to ten 230 V lights (en)

The Quantec building AC cabinet combines the supply and monitoring of up to ten 230 V lights in one housing, controlled via a Siemens LOGO! controller. Status and error messages as well as override from the brightness sensor are available via a Web page.



Figures: Quantec Building AC cabinet

Key features

- Compact design
- Supply of up to ten 230 V lights
- Siemens LOGO! control
- Status, error messages, override from brightness sensor via webpage
- External brightness sensor can be connected
- Integrated overvoltage protection

Technical specifications

General

Item numbers	• 18676 - Quantec Building AC cabinet for up to ten 230 V lights
Terminal blocks for	• up to ten 230 V lights • Power supply • Collective error message • Brightness sensor
Conformity	CE, RoHS
Standarts	EMC, IEC

Electrical specification

Rated voltage	85 to 264 V AC / 47 to 63 Hz
Rated current (output)	16 A (nom. 230 V AC looped)
Overvoltage protection	Class III according to DIN EN IEC 61400-24

Physical characteristics

Dimensions (H × W x D)	600 mm x 380 mm x 210 mm (without cable glands)
Weight	Approx. 15 kg
IP rating	IP 66
Material	Sheet steel (housing), polyamide (cable glands), nickel-plated brass (diaphragm), stainless steel A2 (screws), PUR (seal)
Mounting	Mounting holes

Environmental specification

Operating temperature	-20 °C to +55 °C (-4 °F to 131 °F)
Storage temperature	-20 °C to +55 °C (-4 °F to 131 °F)
Relative humidity	0 to 100 %
Operating altitude	0 to 2500 m (0 to 8202 ft) AMSL

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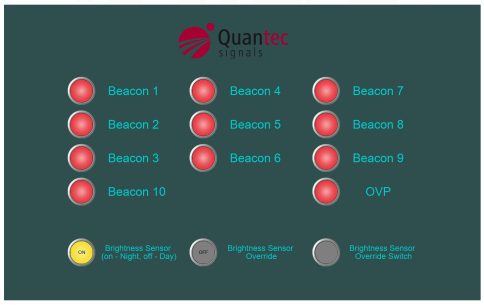

Figure: Screen display Web page for status and error messages and override from the brightness sensor

General safety information for Quantec products

NOTICE

Before operating, installing or maintaining the product, you must carefully read and understand these instructions, in particular the safety instructions and warnings.

Only **electrically** instructed, trained and authorised personnel may operate, install or maintain the product.
If you have any questions, please contact the manufacturer.

These instructions must be kept to hand at all times.

NOTICE

Repairs may only be carried out by the manufacturer or by personnel authorised by the manufacturer. Any unauthorised modification or replacement of components may impair the safe operation of the product.

The housing must remain closed. Otherwise the tightness may be impaired!

Protection against electrostatic discharge

NOTICE

Electrostatic sensitive components!

Electrostatic discharges can cause immediate or latent damage to electronic circuits. Quantec Signals products are well protected against electrostatic discharge when used properly. Touching or removing parts, inserting objects into the housing or tampering with the connectors can lead to damage.

To avoid electrostatic discharges, only handle parts that are sensitive to electrostatic discharges in sufficiently earthed and protected areas/working environments. If this is not possible, ground yourself before touching components or connections on the housing of the device.

Terminal block X1 (mains)

The Terminal block X1 is used for the power supply.

X1	Signal	Function
1	L_IN	Supply
2	N_IN	
3	PE	Earth
4	SHLD	Shield

Terminal block X2

The Terminal block X2 provides a collective error message (error in the power supply, error on the tower beacons or error in the entire system).

X2	Signal	Function
1	NO	
2	NC	
3	COM	
4	PE	Earth
5	SHLD	Shield

Terminal block X3

This terminal block is used to connect the brightness sensor.

X3	Cable core	Function
1	BN	Sync
2	WH	+24 V
3	BL	0-10 V Brightness
4	BK	GND

Grounding

⚠ WARNING

Electrical Hazards!

Ensure that the device is properly earthed.

If the connected devices are not properly earthed, dangerous voltages may occur on the devices in the event of a lightning strike!

Electric shocks caused by lightning strikes can result in death or serious injury.

- The housing of the Quantec Building AC cabinet must be correctly earthed.
- Do not connect/disconnect the cable while the device is switched on!

Assignment Terminal / Beacon

Terminal	Terminal assignment
X4	Beacon 1
X5	Beacon 2
X6	Beacon 3
X7	Beacon 4
X8	Beacon 5
X9	Beacon 6
X10	Beacon 7
X11	Beacon 8
X12	Beacon 9
X13	Beacon 10

Terminal blocks X4 to X13

Pin	Signal	Function
1	L	Power supply
2	N	
3	COM	error signal
4	NC	
5	PE	Power supply
6	SHLD	Shield