Nice

Era Photocell M

Medium Synchronized photocells, fixed or positionable, also with Nice BlueBUS technology

Available in anti-intrusion, reflective and wireless versions.

BLUEBUS

Safe: D type device according to specification EN12453 which picks up obstacles on the optical axis between transmitter (TX) and receiver (RX).

Using the fototest function it is possible to achieve class 2 safety fault according to specification EN 954-1.

Antiglare circuit eliminates possible sunlight interference.

Fast easy installation: the wireless technology (EPMOW) eliminates the need to wire the photocells to the control unit and provide routing and cable ducts. The devices interface with the control unit through an ultracompact dedicated module (IBW) which can be housed directly in the motor or the control unit if separate. Up to 7 devices with Nice BlueBUS technology can be connected to the same IBW interface.

Thanks to the reflective technology (EPMOR), just the main photocell needs to be wired and not the reflective mirror, saving time.

Built in LED light in the EPMOR version: the optional ELMM LED light module can be installed in the EPMOR photocell to light the transit area, act as a flashing light or provide diagnostic information.

Universal system: EPMOR has a relay output for connection to any new or existing automation system.

Simplified maintenance: EPMOW photocells have a diagnostic LED which indicates possible anomalies and battery status, facilitating installation and maintenance.

Practical: 10° angle of reception. The positionable versions allow for the compensation of centering gaps up to 30°.

Resistant and vandal-proof: ABS body resistant to weather conditions, available also in burglar-resistant version with metal shell.

Nice BlueBUS technology: available with the BlueBUS system, which allows an easy connection to the control unit of all devices with only two wires, by simply connecting them in parallel and selecting the jumpers for addressing according to the needed function. The system automatically acquires the devices connected to the BlueBus network.

Automatic synchronisation between multiple photocell pairs in order to avoid other possible interferences between the devices.

EPM

EPMB



EPMOB

EPMAB

EPMAO

EPMAOB

EPMA



EPMOW



128

PHOTOCELLS

TECHNICAL SPECIFICATIONS

Code	Description	Pack/Pallet		Estimated	Power supply	Absorption	Photocell	Protection	Operating	Relay range	Dimensions	Weight (g)
EPM	Pair of outdoor photocells	1		range (m)	i owei suppiy	(mA)	adjustability	level (IP)	(°C Min/Max)	neiay range	(mm)	weight (g)
EPM0	Pair of outdoor photocells, 30° positionable	1	EPM		without jumper		-				50x29x80 h	140
			ЕРМО	15 (30 with	18-35 Vdc, 15-28		30° approx. on the all axes				50x38x80 h	160
PHOTOCELL	S WITH NICE BLUEBUS TECHNOLOGY		EPMA	jumper + "10" cut)	with 12 Vac/Vdc	25 RX, 30 TX	-		00 50	max 500 mA and	50x31x80 h	480
Code	Description	Pack/Pallet	EPMAO		Jumper limits: 10-18 Vdc, 9-15		30° approx. on	44	-20 ÷ +50	48 V	50x38x80 h	530
EPMB	Pair of outdoor photocells, for connections via Nice BlueBUS network	1			Vac		uie all axes				ا <u>ــــــا</u>	
ЕРМОВ	Pair of outdoor photocells, 30° positionable, for connections via Nice BlueBUS network	1	EPMOR	8 (maximum range in optimum conditions 15)	12-24 V	50	approx. 10° on all axes				105x50x40 h	83
				1	1	1	1		1			

WIRELESS PHOTOCELLS WITH BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet	
EPMOW	Pair of self-synchronised surface-mounted wireless photocells	1	

PHOTOCELLS WITH REFLECTIVE TECHNOLOGY						
Code	Description	Pack/Pallet				
EPMOR	Surface-mounted reflective photocell + reflective mirror	1				

PHOTOCELLS - BURGLAR-RESISTANT METAL BODY

Code	Description	Pack/Pallet
EPMA	Pair of outdoor photocells, burglar-resistant metal body	1

PHOTOCELLS - BURGLAR-RESISTANT METAL BODY WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet	
EPMAB	Pair of outdoor photocells, for connections via Nice BlueBUS network, burglar- resistant metal body	1	

PHOTOCELLS - POSITIONABLE BURGLAR-RESISTANT METAL BODY

Code	Description	Pack/Pallet
EPMA0	Pair of outdoor photocells, 30° positionable	1

PHOTOCELLS - BURGLAR-RESISTANT POSITIONABLE METAL BODY WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pack/Pallet
EPMAOB	Pair of outdoor photocells, 30° positionable, for connections via Nice BlueBUS network	1

	Estimated range (m	¹⁾ supply output	adjustab	ility	Protection	level (IP)	(°C	Min/Max)	Dime	ensions (mm)	We	ight (g)
EPMB	up to 15 for offset	up to 15 for offset the devices can be				50x29x80 h			140			
ЕРМОВ	maximum TX-RX ± 5 (the device can	"BlueBUS" networks	30° approx. all axes	30° approx. on the all axes - 44		ne				50x38x80 h		160
EPMAB	signal an obstacle also	the power supply an	d -			4	-20 ÷ +55		50x31x80 h			480
EPMAOB	conditions)	transmits the output signals	t 30° approx. all axes	on the s					50x38x80 h			530
EPMOW	20 (maximum range in optimum conditions 40	Im range in 3 V DC, with CR123 nditions 40) lithium battery		10° on the cal axis						105x50xz40 h		200
	Power supply	Absorption with A power pack 24 Vdc	bsorption with power pack 24 Vac	Output	BlueBUS	Protectio (IP)	n level)	Operating temperature Min/Max)	(°C I	Dimensions (mm	1) W	/eight (g)
IB	16 ÷ 35 Vdc 18 ÷ 28 Vac	50 mA (add approx. 44 50 mA for each	4 mA (add approx. 40 mA for each	with a lo BlueB	ad of max 9 BUS units	30	1	-20 ÷ +50)	86x58x22 h		72

Protection level (IP)

30

Protection level (IP)

45

Protection level (IP)

Operating temperature

Operating temperature (°C Min/Max)

-20 ÷ +70

Operating temperature (°C Min/Max)

-20 ÷ +55

Dimensions (mm)

Dimensions (mm)

18 x 33 x 40 h

Dimensions (mm)

40 x 30 x 25 h

Weight (g)

Weight (g)

25

Weight (g)

20

Photocell

photocell pair)

ለበ	UEG	CUD	IEC
AU	ULJ	JUII	IL O

IBW

ELMM

Code	Description	Pack/Pallet
IB	Interface for photocell BlueBus connection to non prepared stations	1
IBW	Interface through EPMOW and control units with Nice BlueBUS technology	1
ELMM	LED light module for EPMOR	1
POE	Wall support for Era photocells	1



TECHNICAL SPECIFICATIONS WITH NICE BLUEBUS TECHNOLOGY

Estimated range (m)

Power supply

by connection to the

"BlueBUS" terminal of the

automation control unit.

Power supply

12-24 V

Electric power

photocell pair)

Output BlueBUS

one with a max. load of 20

BlueBUS units

Absorbed power (W)

1



В	