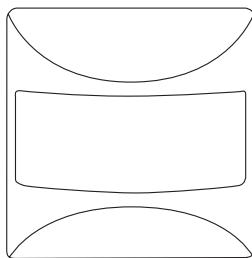
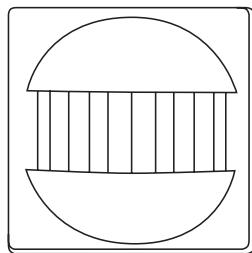


## System M ARGUS 180, flush-mounted



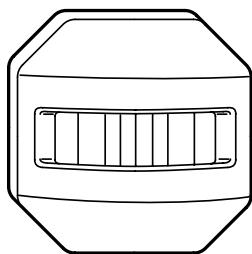
Colour	Article no.
white	624344
polar white	624319
anthracite	624314
aluminium	624360

## System Design ARGUS 180, flush-mounted



Colour	Article no.
white	621444
polar white	621419
vanilla	621482
ice blue	621488
light grey	621429
midnight	621478
blue	
dark brazil	621415
black grey	621469
aluminium	621460
stainless steel	621446

## OctoColor ARGUS 180, flush-mounted



Colour	Article no.
white	621544
polar white	621519
bronze metallic	621542
titanium	621505

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## 1. Function

The ARGUS 180, flush-mounted records movement within an angle of 180 up to a distance of 8 m. Registered movements can be converted into switching telegrams.

The ARGUS 180, flush-mounted is fitted with a light sensor, whose brightness threshold can be set between 5 and 1000 lux. It is also possible to use the device as a light-sensitive switch. The movement detector links the brightness threshold with movement detection.

Several ARGUS 180, flush-mounted devices can be combined together in a system.

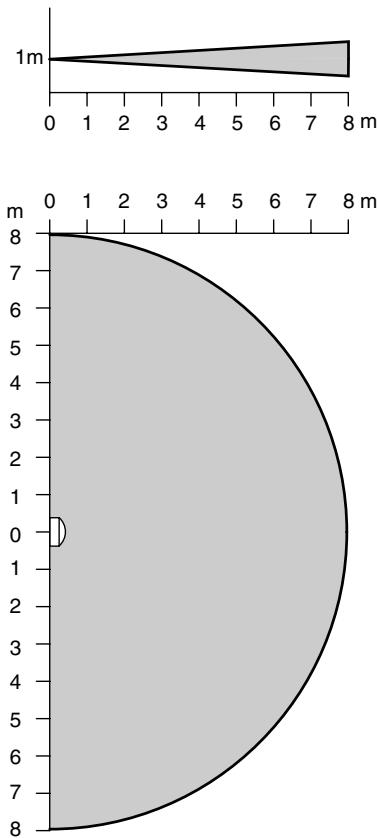
## 2. Installation

The ARGUS 180, flush-mounted is an application module in System M, System Design or OctoColor design and is clipped onto:

- Bus coupler, flush-mounted (art. no. 690099)
- The ARGUS must be completed with a bus coupler, flush-mounted (article no. 690099), colour ring (OctoColor) and frame.
- To make optimum use of the possibilities of the ARGUS, the installation site should be chosen carefully. The following points should be noted:
  - Mount the ARGUS so that beam paths are intersected.
  - No switched lamps should be mounted in the detection area of the ARGUS as the movement detector can be influenced by the heat radiated by the lamp.
  - Avoid direct sunlight. This can damage the sensor in extreme cases.
  - Use of wind-resistant installation boxes. Variations in pressure across the rear of the device in installation boxes and pipe cabling systems can lead to the movement detector being triggered.
  - When mounted on a wall at a height of approx. 1 - 1.5 m, small animals such as dogs, cats etc. are not recorded in most cases (depending on the spatial conditions).
  - Open fires e.g. chimney fire can be recorded by the ARGUS.
  - Mount the ARGUS in positions which enable maximum room monitoring.

## Area of detection

The information about the range refers to the average conditions and are therefore only guidance values.



## 3. Technical Data

Initialisation:	Due to the limitation of the telegram rate, a telegram cannot be generated until at least 17 s after the initialisation.
Ambient temperature:	-5 °C to +45 °C
Type of protection:	IP 20
EC guidelines:	corresponds to low voltage guideline 73/23/EEC; corresponds to EMC guideline 89/336/EEC
Connection to the bus coupler via:	PEI, 10-pole plug connector
Operating elements:	Setting options for the brightness threshold and staircase lighting time (staircase lighting time can also be selected via the application) are located on the rear of the device.
Light sensor:	infinitely adjustable from approx. 5 lux to approx. 1000 lux
Staircase lighting time:	Can be set in the applications.
Number of zones:	12 with 48 switching segments
Number of levels:	1
Area of detection:	180
Range:	approx. 8 m

## 4. Settings in the EIB Tool Software (ETS)

### Selection in the product database

Manufacturer:	Merten
Product family:	3.1 Movement detector ARGUS
Product type:	3.1.21 System M
Programs in connection with the bus coupler, flush-mounted (art. no. 690099):	ARGUS with timing function 1300/4 ARGUS cyclical 1301/4 ARGUS 4-gang function 1302/3 ARGUS 3-gang function 1303/1 ARGUS alarm 1304/2
Product name:	System M ARGUS 180, flush-mounted
Order number:	6243..

Manufacturer:	Merten
Product family:	3.1 Movement detector ARGUS
Product type:	3.1.19 System Design
Programs in connection with the bus coupler, flush-mounted (art. no. 690099):	ARGUS with timing function 1300/4 ARGUS cyclical 1301/4 ARGUS 4-gang function 1302/3 ARGUS 3-gang function 1303/1 ARGUS alarm 1304/2
Product name:	System Design ARGUS 180, flush-mounted
Order number:	6214..

Manufacturer:	Merten
Product family:	3.1 Movement detector ARGUS
Product type:	3.1.18 OctoColor
Programs in connection with the bus coupler, flush-mounted (art. no. 690099):	ARGUS with timing function 1300/4 ARGUS cyclical 1301/4 ARGUS 4-gang function 1302/3 ARGUS 3-gang function 1303/1 ARGUS alarm 1304/2
Product name:	OctoColor ARGUS 180, flush-mounted
Order number:	6215..

Manufacturer:	Merten
Product family:	4.1 Switch actuator, 1-gang
Product type:	4.1.01 Flush-mounted FM
Program name:	ARGUS 180 FM + Switch Stairc. Logic Stat. Init. 4616/1.0
Product name:	Switch actuator, flush-mounted/230/10
Order number:	627099

Manufacturer:	Merten
Product family:	4.2 Switch actuator, 2-gang
Product type:	4.2.01 Flush-mounted FM
Program name:	ARGUS 180 FM + Switch Stairc. Logic Stat. Init. 4716/1.1
Product name:	Series actuator, flush-mounted/230/6
Order number:	627199

Manufacturer:	Merten
Product family:	4.5 Blind actuator
Product type:	4.5.05 Flush-mounted FM
Program name:	ARGUS 180 FM + Blind 5616/1.0
Product name:	Blind actuator, flush-mounted/230/6
Order number:	627299

## 5. Application overview

The following applications can be selected with the bus coupler, flush-mounted (art. no. 690099):

Application	Vers.	Function
ARGUS with timing function 1300/4	0.4	Movement-dependent switching and switching with/without dependence on brightness
		Brightness-dependent switching
		Integrated staircase lighting timer
		Lockable via the bus
		Can be switched via the bus (trigger object)
		Setting the safety pause
ARGUS cyclical 1301/4	0.4	Movement-dependent cyclical sending and cyclical sending with/without dependence on brightness
		Brightness-dependent switching
		Lockable via the bus
		Setting the safety pause

Application	Vers.	Function
ARGUS 4-gang function 1302/3	0.3	3 x movement-dependent switching and switching with/without dependence on brightness (1 bit)
		1 x movement-dependent value sending and value sending with/without dependence on brightness (1 byte)
		4 x lockable via the bus
		Setting the safety pause
ARGUS 3-gang function 1303/1	0.1	3 x movement-dependent switching and switching with/without dependence on brightness (1 bit) or value sending (1 byte)
		3 x lockable via the bus
		Can be switched via the bus (trigger object)
		Setting the safety pause
ARGUS alarm 1304/2	2.0	1 x cyclical switching with/without dependence on brightness for alarm function (reduced sensitivity) (Block A)
		1 x switching of staircase lighting with/without dependence on brightness (Block B)
		Locking function can be selected for Block A, Block B, Block A+B
		Setting the safety pause

The following application can be selected with the blind actuator (art. no. 627299):

Application	Vers.	Function
ARGUS 180 FM + Blind 5616/1.0	1.0	Group addresses: Number = 40/ Associations = 40, dynamic
		Blind and roller shutter operation
		Pause on change in direction
		Wind alarm
		3 independent blocks
		Common trigger object
		1 bit or 1 byte object per block
		Disable object per block

The following application can be selected with the switch actuator (art. no. 627099):

Application	Vers.	Function
ARGUS 180 FM + Switch Stairc. Logic Stat. Init. 4616/1.0	1.0	Group addresses: Number = 40/ Associations = 40, dynamic
Make/break contact		
Status response		
Logic operation or disable function		
Staircase lighting function		
Behaviour on bus voltage failure		
Behaviour on bus voltage recovery		
3 independent blocks		
Common trigger object		
1 bit or 1 byte object per block		
Disable object per block		

The following application can be selected with the series actuator (art. no. 627199):

Application	Vers.	Function
ARGUS 180 FM + Switch Stairc. Logic Stat. Init. 4716/1.1	1.1	Group addresses: Number = 40/ Associations = 40, dynamic
Make/break contact		
Status response		
Logic operation or disable function		
Staircase lighting function		
Behaviour on bus voltage recovery		
3 independent blocks		
Common trigger object		
1 bit or 1 byte object per block		
Disable object per block		