



DATA SHEET

MD 180 Basic

Order description

MD 180 Basic, white

Item number

GTIN

EM10055089 4015120055089



















Product description

- Motion detector with 180° field of detection for convenient light switching
- Sensing and range adjustment due to revolving and tilting spherical head technology

Technical data

| Weight 180 g Housing material UV-stabilised polycarbonate Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W | GENERAL | | |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|----------------------------------------------------------------------|--|
| Installation type Installation position Wall HOUSING Dimensions length 80 mm x width 55 mm x Height/Depide mm 66 mm Weight 180 g Housing material Protection type IP 44 Permissible ambient temperature Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption 0,5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Conformity | CE, RoHS, WEEE | |
| Installation type Installation position Wall HOUSING Dimensions length 80 mm x width 55 mm x Height/Dept 66 mm Weight Housing material Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | warranty | 3-year | |
| Installation position HOUSING Dimensions length 80 mm x width 55 mm x Height/Dept 66 mm Weight 180 g Housing material UV-stabilised polycarbonate Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption 0,5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | MOUNTING | | |
| HOUSING Dimensions length 80 mm x width 55 mm x Height/Depide 66 mm Weight 180 g Housing material Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption 0,5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Installation type | Surface mounting | |
| Dimensions length 80 mm x width 55 mm x Height/Depide 66 mm Weight 180 g Housing material Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption 25 - 95 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Installation position | Wall | |
| Weight 180 g Housing material UV-stabilised polycarbonate Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | HOUSING | | |
| Housing material Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption 25 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Dimensions | length 80 mm x width 55 mm x Height/Depth 66 mm | |
| Protection type IP 44 Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Weight | 180 g | |
| Permissible ambient temperature -20 °C+40 °C Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Housing material | UV-stabilised polycarbonate | |
| Relative humidity 5 - 95 %, non-condensing Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Protection type | IP 44 | |
| Colour white, similar to RAL 9010 Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Permissible ambient temperature | -20 °C+40 °C | |
| Terminal 1.5 mm² ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Relative humidity | 5 - 95 %, non-condensing | |
| ELECTRICAL VERSION Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Colour | white, similar to RAL 9010 | |
| Protection class II Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Terminal | 1.5 mm² | |
| Nominal voltage 230 - 230 V / 50 Hz Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | ELECTRICAL VERSION | | |
| Stand-by consumption < 0.5 W SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Protection class | II | |
| SENSORS Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Nominal voltage | 230 - 230 V / 50 Hz | |
| Power consumption 0,5 W Detection angle 180° horizontally and vertically rotatable + | Stand-by consumption | < 0.5 W | |
| Detection angle 180° horizontally and vertically rotatable + | SENSORS | | |
| | Power consumption | 0,5 W | |
| | Detection angle | 180° horizontally and vertically rotatable +/- 30° | |
| Detection range diagonally 20 m | Detection range diagonally | 20 m | |

| Detection range head-on | 5 m |
|------------------------------------------|-------------|
| Field of detection | 157 m² |
| Range adjustment | Mechanical |
| Recommended installation height | 2,5 m |
| Max. mounting height | 3 m |
| Light measurement | mixed light |
| Level of brightness | 5 - 1000 lx |
| Number of light channels | 1 |
| Number of switching contacts | 0 |
| Number of parallel switchable detectors | 6 |
| Fully automatic | yes |
| Semi-automatic | No |
| constant lighting control | false |
| Switching delay from "dark to light" [s] | 0 s |
| Switching delay from "light to dark" [s] | 0 s |
| | |

CONTROL

| Channel 1 | Lighting | |
|------------------------------|-----------------------------------------------------------------------------|--|
| Interface | Switching | |
| Contact | make contact/non-floating | |
| Switching capacity channel 1 | 230 V AC/50 Hz 1000 W/5 A (cos phi = 1), 500 VA/2.5 A (cos phi = 0.5) | |
| In-rush current | 40 A / 20 ms | |
| Switch-off delay channel 1 | 10 s - 15 min | |
| Master/slave function | false | |
| constant lighting control | false | |
| Manual override | No | |
| | | |





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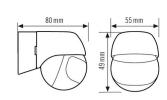
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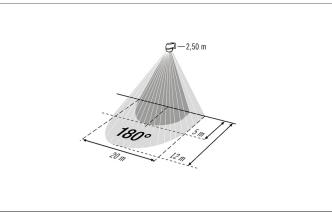
Accessories

| Product designation | Item number | GTIN |
|----------------------------------|-------------|---------------|
| ILR-230V current-limiting module | EP10426353 | 4015120426353 |
| SRM-230V relay module | EP10426346 | 4015120426346 |

Scale drawing

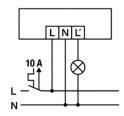






- Head-on to detector
- Passage area/diagonally to detector

Circuit diagram



Standard operation

Energy Conservation Solutions Pty Ltd

Exclusive Distributor for **ESYLUX** in Australia Locations: VIC/TAS, NSW, QLD, ACT, SA/NT & WA
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For contact details visit: www.ecs.net.au