

ENERGY EFFICIENCY

Modular time switches



Finder

G-1

Occupancy sensors



Finder
Hager

G-2
G-3



10 series - Daylight switches

Light dependant relays for automatic control of external lighting according to ambient light level.

- Adjustable sensitivity: 1...80 lux
- Built-in time delay: (ON - 15 sec / OFF - 30 sec)
- Ambient range: -30...+70°C

| type | switch current | contact config. | supply voltage | lux setting | delay ON/OFF | description |
|---|----------------|-----------------|---|-------------|--------------|----------------------------|
| 10 series - Daylight switches (IP54) | | | | | | |
| 10.41 – light dependant relays (daylight switches) (H) 111 x (W) 59 x (D) 40 mm | | | | | | |
| | | | <ul style="list-style-type: none"> • LED indication of relay status • Wall or pole mounting (brackets supplied) | | | |
| 104182300000 | 16A | 1 NO | 230 VAC | 1...80 lux | 15/30s | standard daylight switch |
| 10.42 – 2 independent outputs with individual lux settings | | | | | | |
| 104282300000 | 16A | 2x 1 NO | 230 VAC | 2x 1...80 | 15/30s | 2 circuit daylight switch |
| 10.51 – miniature light dependant relays (daylight switches) (H) 81 x (W) 37 x (D) 37 mm | | | | | | |
| | | | <ul style="list-style-type: none"> • LED indication of relay status • Wall or pole mounting (brackets supplied) | | | |
| 105182300000 | 12A | 1 NO | 230 VAC | 1...80 lux | 15/30s | mini daylight switch |
| 10.61 – hole mount (Ø 18 mm) (H) 48 x (Ø) 80 | | | | | | |
| | | | <ul style="list-style-type: none"> • Can be mounted directly on street light body | | | |
| 106182300000 | 16A | 1 NO | 230 VAC | (fixed) 10 | 15/30s | hole mount daylight switch |

11 series - Daylight switches with separate light sensor

Light dependant relays for automatic control of external lighting according to ambient light level - with separate light sensor.

- Modular DIN rail mounting (same cutout as standard MCBs)
- Selectable: std range 1...80lux / high range 30...1000lux / permanent ON or OFF
- LED indication of relay status

11.31 series - 17.5 mm wide (H) 84 x (W) 17.5 x (D) 61 mm

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|--------------|-----|------|--------------|----------|--------|-------------------------|
| 113182300000 | 16A | 1 NO | 230 VAC | 1...1000 | 15/30s | modular daylight switch |
| 113100240000 | 16A | 1 NO | 12/24 VAC/DC | 1...1000 | 15/30s | modular daylight switch |

11.42 series - 2 independent outputs with individual lux settings

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|--------------|-----|---------|---------|-----------|--------|---------------------------|
| 114282300000 | 12A | 2x 1 NO | 230 VAC | 2x 1-1000 | 15/30s | 2 circuit daylight switch |
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Light sensors for 11 series modular light dependant relays

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|-------|--------|------|---------|-------|---|
| 01102 | sensor | IP54 | surface | mount | light sensor for 11 series modular relays |
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Flush mount light sensor (mounts through 15/18 mm Ø hole) for modular relays

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|-------|--------|---------|-------|-------|---|
| 01103 | sensor | IP66/67 | flush | mount | light sensor for 11 series modular relays |
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Modular time switches NFC programmable (with smartphone) (H) 89 x (W) 35 x (D) 61 mm

Finder digital time switches incorporate easy to use NFC (Near Field Communication) for fast, flexible programming of time via a smartphone, can also be performed via the front mounted joystick control

- Versions with 1 or 2 contacts - 16A
- 110...230 VAC/DC supply
- Internal battery (easily replaceable) for set-up and programming without supply voltage
- Wide backlit display for easy programming and visualisation

| type | time range | contact config. | reserve | min. setting | description |
|--|------------|-----------------|---|--------------|---------------------------------------|
| Digital (analogue-style) time switch | | | easily configurable for daily or weekly programming | | |
| 125182300000 | 24hr/7 day | 1 CO | yes | 30 min. | digital time switch |
| Digital time switch with programmable pulse output (for school bell lunch/tea/interval ringing) | | | | | |
| | | | <ul style="list-style-type: none"> • Manual override facility • Pulse output adjustable (1 sec...59 min) • Holiday program | | |
| 126182300000 | 7 day | 1 CO | yes | 1 sec. | digital time switch with pulse output |
| Astro time switches (calculates sunrise/sunset according to longitude/latitude coordinates) | | | | | |
| | | | <ul style="list-style-type: none"> • Astro program: calculation of sunrise and sunset times through date, time, location coordinates • Programmable offset from Astronomic times (up to 90 min) | | |
| 12A182300000 | 7 day | 1 CO | yes | 1 sec. | astro programmable time switch |
| 12A282300000 | 7 day | 2 CO | yes | 1 sec. | astro programmable time switch |



182182300000



183182300000



184182300300



185182300300



18A182300300



PIR movement detectors (IP40)

Designed to monitor rooms, corridors, offices and staircases for human presence. Once motion is detected and if ambient light is below the preset level it will provide a signal to switch lights ON. Lights will remain on after the room has been vacated for a preset delay period. Often used as an energy saving device used to switch off air conditioners or heating systems once the room has been vacated.

| type | switching current | supply voltage | mounting | sense area (met) | description |
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Movement detectors (economic version) 120 - 230 VAC

Compact economical ceiling mount movement detector for internal installations, these sensors detect movement in common areas and operate lights when required in low ambient areas.

- Wide area of survey 360° (5/8 meter detection at 2.8 meter height)
- Adjustable settings: Light ON (since last detection) 10 sec - 12 min.
Lux setting (ambient light intervention threshold) 5 - 350 lx

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|---------------------|-----|------------|---------|-------|-----------------------|
| 182182300000 | 10A | 120...230V | surface | Ø 5/8 | PIR movement detector |
| 183182300000 | 10A | 120...230V | recess | Ø 5/8 | PIR movement detector |

Passage/corridor sensor 84 x (D) flush: 44 / surface: 85 mm

- Rectangular areas - lobbies, corridors and walkways (sensing area 30 met x 4 met wide)
- Adjustable settings: - Light ON (since last detection) 12 sec - 35 min.
- Lux setting (ambient light intervention threshold) 1 - 500 lx

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| 184182300300 | 10A | 110...230V | surf/recess | 30 x 4 | PIR movement detector |
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Occupancy sensors - Incorporating "presence" and "movement" detection

Responds to very small movements, suitable for use in offices, schools and the workplace

- Two sensors - "presence" (for zones of low activity) and "movement" (for transit areas)
- Dual "push-in" termination for easy "looping" with other switches with pushbutton release
- Supplied with all hardware for surface mounting or recess mounting
- Wide sensing area 360° (4/8 meter detection at 2.8 meter height)
- Adjustable settings: - Light ON (since last detection) 12 sec - 35 min.
- Lux setting (ambient light intervention threshold) 5 - 350 lx
- Sensitivity control for reduced sensing area

Ceiling mount sensor 84 x (D) flush: 35 / surface: 76 mm

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| 185182300300 | 10A | 110...230V | surf/recess | Ø 4/8 | PIR occupancy detector |
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External PIR movement detector (IP55)

- Compact design wall mount detector for external installations - 110° detection up to 10 met.
- Adjustable settings: Light ON (since last detection) 10 sec - 20 min.
Lux setting (ambient light intervention threshold) 5 - 1000 lx

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| 18A182300300 | 10/2500 | | wall mount external movement and presence detector | | |
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EE804A



EE805A



EE820



EE860



EE815

Occupancy sensors

- Detect movement
- Measure ambient light
- Automatically switch lights "on" (if ambient is below pre-set level and movement is detected)
- Automatically switch lights "off" (if no movement is detected after a pre-set time delay period)
- Complies with: IEC 60669-1 and IEC 60669-2-1
- Supply voltage: 230 VAC 50Hz
- Switch current: 8/10/16A 230V (AC1)
- Lux adjustment: 5 - 1000 lux

EE804A / EE805A series - Motion detectors

EE804A and EE805A are 360° indoor movement detectors with a built-in light sensitive switching function. Ideal for use in interior circulation areas such as corridors, entrance halls, bathrooms etc.

- Operating time delay: 5s - 15 min
- Detection range: 6 meter radius (at 2.5 meters high) 360°

| type | mounting | | description | rated current |
|--------|----------|---------------|----------------------------|---------------|
| EE804A | surface | 105.5 mm dia. | economical motion detector | 8A |
| EE805A | flush | 75 mm hole | economical motion detector | 8A |

EE820 series - Basic motion detectors (IP55)

Wall mounting with numerous mounting possibilities for indoor or outdoor applications.

- Operating time delay: Pulse, 5s -15 min
- Detection range: 16 met frontal /8 met lateral (at 2.5 meters high)

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| EE820 | surface | 140° | wall mnt. basic occupancy sensor | 10A |
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EE860 - Enhanced motion detectors (IP55)

Offers vertical and horizontal adjustment and area limitation with shutters suitable for indoor or outdoor applications. Wall, inner/outer corner, ceiling mount. Setting and adjustments made via concealed potentiometers or remote control.

- Operating time delay: 5s - 15min
- Detection range: 16 met frontal / 10 met lateral (at 2.5 meters high)
- Sensitivity adjustment: 20% - 100%

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| EE860 | surface | 220° | wall mnt. basic occupancy sensor | 16A |
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Accessories

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| EE825 | corner mount accessory (inner/outer) | EE820 |
| EE827 | ceiling mount accessory | EE820 |
| EE855 | corner mount accessory (inner/outer) | EE860 |
| EE806 | IR remote control for enhanced series | EE815/20 |

High-performance combined presence and motion detector

High-performance presence detectors combine detection of both presence and motion in an area ideally suited for offices where human presence is detected to maintain lighting level. Motion detection enhances the overall sensing range of the detectors.

EE815 series - Compact flush mount presence detector

Compact super-flush device mounts through a 50 mm hole for very neat installation. Settings and adjustments made via concealed potentiometers or remote control.

- Operating time delay: 1 min - 1 hour
- Detection range: Presence 5 meter radius (at 2.5 meters high)
Motion 7 meter radius (at 2.5 meters high)

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| EE815 | flush | 60 mm hole | 360° enhanced presence detector | 16A |
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EE810 series - Surface flush mount presence detector

- Operating time delay: 1 min - 1 hour
- Detection range: Presence 7 meter radius (at 2.5 meters high)
Motion 13 meter radius (at 2.5 meters high)
- Lux adjustment: 5 - 1200 lux

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| EE810 | flush | dual sensor | 360° enhanced presence detector | 16A |
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