

Beacons
and indicator banks
Harmony
Looking good!





Simply Smart!

Leveraging
ingenuity
and intelligence
for **ease of use**

Remote signalling

Harmony

An offer unmatched in content

The Telemecanique brand, worldwide leader in Operator Dialogue components, presents its **Harmony** remote signalling offer. It enables you to receive, at distances from 5 to 100 m and throughout 360°, any light or audible signalling regarding the status of a machine.

Simple to select from, this offer comprising 3 ranges – Universal, Optimum & Application specific – provides a solution to meet your varying needs. Benefit from quick and simple installation, using either customer assembled variable composition products, comprising units that simply lock together, or complete, pre-assembled and pre-cabled products.

Ingenious, this offer is suitable for all types of environments. The LED technology, used for all light signalling functions, ensures high performance and, with a view to environmental friendliness, optimises energy consumption.

Aesthetic, in perfect **synergy** with other Telemecanique equipment, Harmony remote signalling differentiates and ensures the efficiency of your dialogue solutions.





Universal range

High performance and wide choice of units

Perfect modularity

- This customer assembled variable composition range is suitable for all indoor and outdoor environments (up to IP66).

Speed and reliability of installation

- Fixing ensured by large locking ring (no tools required). It enables instant access to each unit as well as providing sufficient separation between colours.

Signalling from 35 to 50 m

- Improved performance provided by high luminosity LEDs, "flash" units (5 and 10 Joule) and a powerful, adjustable buzzer.



Optimum range

Excellent price / performance ratio

Economic

- Simple to use, this range, comprising pilot lights, beacons and complete (pre-assembled and pre-cabled) or customer assembled variable composition indicator banks, is for use in protected environments both indoors and outdoors (IP42).

Linear aesthetics

- A design both different and original, the smooth contours of the external surface avoid the accumulation of dust and grime.

Signalling from 5 to 35 m

- Transmission of light and sound signals optimised for short to medium distances.
- Use of LEDs, bulbs and flash.



Application specific range

Ready to use for your specific needs

- Rotating mirror beacons and sirens of pre-defined composition to complement your needs for very long distance signalling (up to 100 metres).
- Ready to use indicator banks: a selection of the most common solutions for repetitive applications.

Improved *performance* and more *innovation* for signalling to meet your needs

With Telemecanique, the inventor of the indicator bank, increase your **productivity**: remote visual and audible signalling enables the operator to attend to other tasks and, at the same time, be able to intervene quickly in the event of a problem regarding production.



Robustness

- For all indoor and outdoor applications.
- Good resistance to vibration and mechanical shock.
- Degree of protection up to IP66.



Simplicity

- Quick and simple installation using units that easily fit together or by selecting pre-assembled and pre-cabled products.
- Electrical connections between each unit made automatically whilst assembling.
- Units and light sources interchangeable without altering cabling.

Protected LED



Reliability

- "Protected LED" technology: protection assured against short-circuits, voltage spikes and electromagnetic interference.
- 100 000 hours luminosity without maintenance by using LEDs.



Safety

- The combined units are secured by either a screw or locking ring.
- Conformity to international standards and certifications:



Savings in costs

- LED technology for all levels of saving: low power consumption, reduced recycling.



Intuitive messages (conforming to standard IEC 60204-1)

Light signalling

- **Red**: urgent (immediate action required)
- **Yellow / Orange**: anomaly (checking and/or intervention required)
- **Green**: normal condition (optional)
- **Blue**: obligatory action (action required from the operator)
- **White**: monitoring (optional)

Flashing lights

For distinction or specific information:

- Attract more attention.
- Call for immediate action.
- Indicate discordance between the instruction and the actual status.
- Indicate a change in cycle (flashing during transition).

Flash and rotating mirror beacons

- A more powerful signal for top priority information or longer distance signalling (conforming to IEC 60073).

Buzzer and sirens

- Recommended in environments subject to considerable light or sound interference, or when the presence of the operator is of higher importance.

Universal range

High performance
and wide choice of units

- Signalling from 35 to 50 m
- High degree of protection, up to IP66
- Perfect modularity: customer assembled, simple interchangeability of units
- Quick and safe installation: immediate assembly and fixing using locking ring (no tools required)
- Simple maintenance: instant access to each unit
- High luminosity: illuminated units with integral protected LED, base mounted protected LED, flash discharge tube (5 or 10 Joule)



All types of applications



Available in cream for clean environments



Assembly and instant locking of units by ring



Illuminated units with integral protected LED: only 1 ordering reference



Ø 50 XVP

IP 65

- Entirely modular
- Colour: black or cream
- Buzzer: multi-tone and multi-directional (IP43)

Ø 70 XVB

IP 66

- Entirely modular
- Illuminated units with integral protected LED
- Interlocking ring (no tools required)
- Bottom or side cable entry

Degree of protection	IP65	IP66 mounted on base unit / IP65 mounted on support tube
Assembly of units	Customer assembled	Customer assembled
Type of light source	Base mounted protected LED or incandescent bulb (7 W max.) Flash unit, 0.6 J	Illuminated units with integral protected LED, base mounted protected LED or incandescent bulb (7 W max.) Flash unit, 5 J or 10 J
Type of audible signalling	Buzzer, 85 dB (adjustable)	Buzzer, 90 dB (adjustable), IP65
Mounting / connection	Assembly and locking by clamping ring	Assembly and locking by clamping ring / connection on AS-Interface
Colour of base unit	black or cream	black
Colour of illuminated units	6 colours	6 colours
Standards and approvals	CE	CE
Supply voltages	24 V AC/DC 120 V AC 230 V AC	24 V AC/DC 120 V AC 230 V AC

Optimum range

Excellent price / performance ratio

- Signalling from 5 to 35 m
- Degree of protection IP40 / IP42
- Simple and economical: pre-assembled and pre-cabled or customer assembled products
- The combined units are secured by a screw or rotary interlocking of lens units.
- Linear aesthetics



Simple applications in a protected environment



Pre-assembled and pre-cabled or customer assembled products



The combined units are secured by a screw or rotary interlocking of lens units



Ø 25 XV1CA

- IP40**
- Height of pilot light: 55 mm
 - Ø 22/30 hole mounting
 - Pre-cabled



Ø 45 XVDLS

- IP40**
- Contrasting aesthetics (dome)
 - Colour: black
 - Direct mounting on machine



Ø 45 XVM

- IP42**
- Complete products or separate units for customer assembly
 - Colour: cream
 - With or without buzzer integrated in base unit



Ø 70 XVE

- IP42**
- New aesthetics
 - Illuminated units with integral LED
 - Combined units secured by 1 screw per unit

	Ø 25 XV1CA	Ø 45 XVDLS	Ø 45 XVM	Ø 70 XVE
	IP40	IP40	IP42	IP42
	<ul style="list-style-type: none"> ■ Height of pilot light: 55 mm ■ Ø 22/30 hole mounting ■ Pre-cabled 	<ul style="list-style-type: none"> ■ Contrasting aesthetics (dome) ■ Colour: black ■ Direct mounting on machine 	<ul style="list-style-type: none"> ■ Complete products or separate units for customer assembly ■ Colour: cream ■ With or without buzzer integrated in base unit 	<ul style="list-style-type: none"> ■ New aesthetics ■ Illuminated units with integral LED ■ Combined units secured by 1 screw per unit

Degree of protection	IP40	IP40	IP42	IP42 (IP54 using sealing kit)
Assembly of units	Pre-cabled	Pre-assembled	Pre-assembled and pre-cabled or customer assembled	Customer assembled
Type of light source	Incandescent bulb (5 W max.)	Incandescent bulb (5 W max.) Flash unit, 0.5 J	Base mounted LED or incandescent bulb (5 W max.) Flash lamp, 0.8 J	Illuminated units with integral LED, base mounted protected LED or incandescent bulb (5 W max.). Flash unit, 5 J
Type of audible signalling	-	-	Buzzer, 75 dB (adjustable)	Buzzer, 85 dB (non adjustable)
Mounting / connection	Ø 22/30 hole mounting	-	Assembly by rotary interlocking of units / connection to colour coded wires	Locking by fixing screw
Colour of base unit	black	black	cream	black
Colour of illuminated units	4 colours	6 colours	5 colours	5 colours
Standards and approvals	CE	CE	CE	CE
Supply voltages	24 V AC/DC 48 V AC/DC 130 V AC/DC, 220 V AC/DC	24 V AC/DC 120 V AC 230 V AC	24 V AC/DC 120 V AC 230 V AC	24 V AC/DC 120 V AC 230 V AC

Application specific range

Ready to use
for your specific needs

- Signalling up to 100 m
- Degree of protection IP40 to IP65
- Simple: complete products
- Quick connection: pre-assembled and pre-cabled indicator banks



All types of applications



Pre-assembled and pre-cabled indicator banks



Rotating mirror beacon: high degree of protection and high luminosity



Ø 70 XVD

IP40

- Complete products or separate units for customer assembly
- Linear aesthetics
- Combined units secured by 1 screw throughout height of bank



Ø 130 XVR

IP65

- Rotating mirror beacon
- Visible from 100 m
- 5 colours



Ø 107 XVS

IP40

- Siren, 106 dB
- Audible from 100 m
- 1 or 2 tone

	<p>IP40</p> <ul style="list-style-type: none"> ■ Complete products or separate units for customer assembly ■ Linear aesthetics ■ Combined units secured by 1 screw throughout height of bank 	<p>IP65</p> <ul style="list-style-type: none"> ■ Rotating mirror beacon ■ Visible from 100 m ■ 5 colours 	<p>IP40</p> <ul style="list-style-type: none"> ■ Siren, 106 dB ■ Audible from 100 m ■ 1 or 2 tone
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Degree of protection	IP40	IP65	IP40
Assembly of units	Pre-assembled and pre-cabled or customer assembled	Pre-defined	Pre-defined
Type of light source	Base mounted protected LED or incandescent bulb (7 W max.) Flash unit, 5 J	Halogen (70 W) or incandescent (25 W) bulb Rotating mirror	-
Type of audible signalling	Buzzer, 90 dB (adjustable)	-	Adjustable, 1 or 2 tones, 106 dB
Mounting / connection	Assembly using only 1 screw / connection to colour coded wires	Direct mounting on machine	Direct mounting on machine
Colour of base unit	black	black	black
Colour of illuminated units	6 colours	5 colours	-
Standards and approvals	CE	CE	CE
Supply voltages	24 V AC/DC 120 V AC 230 V AC	24 V AC/DC 120 V AC 230 V AC	24 V AC/DC 120 V AC 230 V AC

The efficiency of Telemecanique branded *solutions*

Used in combination, Telemecanique products provide quality solutions, meeting all your **Automation & Control** applications requirements.



Harmony

is also a complete range of pushbuttons, switches and pilot lights, wall mounting control stations and enclosures, cam switches and foot switches, that are both simple to install and robust.

A worldwide presence

Constantly available worldwide

- More than 5000 points of sale in 130 countries.
- You can be sure to find the range of products that are right for your and which complies fully with the standards in the country where they are used.

Technical assistance wherever you are

- Our technicians are at your disposal to assist you in finding the optimum solution for your particular needs.
- Schneider Electric provides you with all necessary technical assistance, throughout the world.



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