Control stations
Harmony
Your choice *simplified*





a brand of Schneider Electric

Telemecanique

Simply Smart!

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

Control stations
Harmony
An extensive offer...

Backed by technological and industrial mastery of control and signalling systems, and our vast experience, the Telemecanique control station offer comprises 3 ranges: Universal - Optimum - Application specific

Robust, ergonomically designed and offering maximum installation *simplicity*, Harmony control stations offer an *extensive* choice providing the ideal solution for any application

Simplicity and speed of installation
Guaranteed time saving

- Complete pre-assembled products, ready to install
- Easy assembly by the customer using the Harmony ranges of control and signalling units
- Electrical block mounting beneath the head or in the rear of the enclosure
- Refined ergonomics

An offer unrivalled in content
Guaranteed solutions for any application

- 3 ranges Universal Optimum Application specific
- Plastic and metal ranges
- Maximum flexibility with either complete products or components for customer assembly

Universal range

- High performance and extensive offer
- Suitable for a wide variety of applications



	Stations **XALD / XALK** plastic range	Stations **XAMW** metal, elbowed	Stations **XAPM / XAPJ** die-cast metal	Stations **XAPE** Front plate and protective rear cover
Degree of protection	IP65 / UL (pending)	IP65 / UL (pending)	IP65 / UL type 3, 4 and 12	IP65
Number of cut-outs	1 to 5	1 to 7	XAPM = 1 to 12 / XAPJ = 1	5
Cable entries	2 (ISO 20)	From rear	Tapped for cable gland	Knock-out cable entries
Legend compatibility	All 30 x 40 mm legends	All 30 x 40 mm legends	All 30 x 40 mm legends	All 30 x 40 mm legends
Material	Polycarbonate	Aluminium alloy	Zinc or aluminium alloy	Front plate: anodised aluminium Protective rear cover: polystyrene
Colour	Light grey RAL 7035 base, Dark grey RAL 7016 lid	Light grey RAL 7035 base, Dark grey RAL 7016 or yellow RAL 1021 lid	XAPM: blue base and lid XAPJ: blue base, yellow lid	Grey
Associated Ø 22 mm range	Harmony XB5 - XB7	Harmony XB4 - XB5	Harmony XB4 - XB5	Harmony XB4 - XB5
Contact block mounting	Beneath head or in back of enclosure	Beneath head	Beneath head	Beneath head



Universal range

High performance and extensive offer
Suitable for a wide variety of applications

Modularity

- Wide choice of metal or plastic control stations
- Fully compatible with Harmony metal bezel (XB4) and plastic bezel (XB5 / XB7) ranges
- Perfect suitability for your needs
  - Empty enclosures for customer assembly*
  - Control stations XAL are also available as a complete, ready to use version
- 3 electrical blocks (contact or light) in a 53 mm deep station

Robustness

- Used in conjunction with Harmony XB4 range, our metal control stations in aluminium or zinc alloy, offer an “all metal” solution for unequalled robustness
- Excellent resistance to corrosion and cleaning agents



Optimum range

Excellent price/performance ratio
Ideal for repetitive applications, small machines & simple equipment

Economic

- Complete ready to use stations
- Empty enclosures for customer assembly*
- Legend moulded directly on pushbutton head

Simplicity

- Simple and fast installation using monolithic XB7 E control and signalling units
- Easy selection and ordering



Application specific range

Specific solutions for your most demanding applications

XALG : *For applications in severe environments*

Performance and robustness

- Empty enclosures for customer assembly*
- Mineral reinforced polyamide enclosures and stainless steel fixings to provide optimum:
  - Resistance to chemical agents (oil, detergents, chlorine, etc.)
  - High mechanical integrity (IK05)
- Tolerant of high pressure cleaning without leakage

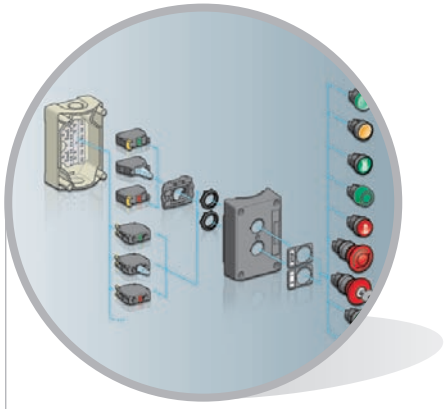


XALF : *Dedicated to lift maintenance*

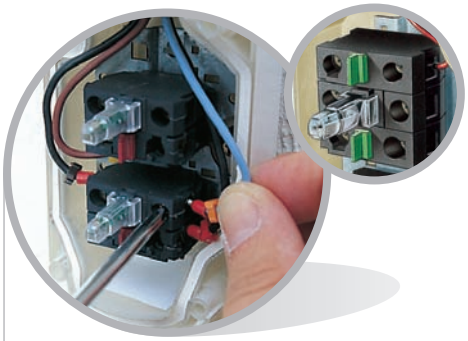
Performance and safety

- 3 types of station: Pit switch box, hoist way box, top of car box
- Complete ready to use stations, fitted with control and signalling units from the XB5 or XB7 range
- Empty enclosures for customer assembly*
- Conformity of offer to standards EN 81, EN 418, IEC/EN 60947-1...
- Specific Emergency stops conform to standards EN 81 and EN 418
  - Latching emergency stops with trigger action
  - Signalling light and mechanical indication throughout 360° by green ring
  - Mechanical green/red flag indicator on front face

** Or by Schneider Electric on request*



- Installation simplicity
- Perfect modularity
- Ready to use or for customer assembly



- Cabling simplicity
- "Rear of enclosure" mounting:
  - 1 to 3 electrical blocks per head
  - Direct access to the wiring terminal

Robustness and Safety

Guaranteed reliability in any situation

- Meets all industrial application requirements, from the most common to the most extreme
- Conformity to standards: IEC/EN 60947-1, IEC/EN 60947-5-1, IEC/EN 60947-5-4, IEC/EN 60947-5-5, IEC/EN 62208, EN 418
- International certifications: UL, CSA, CCC, GOST
- High quality material and design
- Excellent resistance to mechanical shock and vibration
- Degree of protection IP66, IP69K, UL type 4x

A selection of the most popular products. Discover the complete product range, including complete assemblies and components on www.telemecanique.com

Optimum range

- Excellent price/performance ratio
- For repetitive applications, small machines & simple equipment

Application specific range

- Specific solutions for your most demanding applications
- For applications in severe environments: **XALG**
- For lift applications: **XALF**







Stations **XALE** plastic range	Stations **XALG** severe environments	Stations **XALF** lift inspection	
IP54	IP66, IP69K	Up to IP66	Degree of protection
1 to 3	1 to 5	1 to 5	Number of cut-outs
4 or 6 (ISO 20)	2 (ISO 20)	2 (ISO 20)	Cable entries
All 30 x 40 mm legends	Aluminium legends (ZBYD)	Specific legends	Legend compatibility
ABS	Mineral reinforced polyamide	Polycarbonate	Material
Light grey RAL 7035 base, Light grey RAL 7035 or yellow RAL 1021 lid (XALK)	Black RAL 9005 base and lid	Light grey RAL 7035 base, yellow RAL 1021 lid	Colour
Harmony XB7 - XB5	Harmony XB5	Harmony XB5 - XB7	Associated Ø 22 mm range
Beneath head	Beneath head	Beneath head	Contact block mounting

Plastic stations **XALD**	Empty enclosures*
1 cut-out	XALD01
2 cut-outs	XALD02
3 cut-outs	XALD03
4 cut-outs	XALD04
5 cut-outs	XALD05

Emergency stop stations **XALK****	Ø 40 mm push	
Turn to release, N/C	XALK174	-
2 N/C	XALK174F	XALK178F
N/O + N/C	XALK174E	XALK178E
1 N/O + 2 N/C	XALK174G	XALK178G
Key release, N/C	XALK184	-
2 N/C	XALK184F	XALK188F
N/O + N/C	XALK184E	XALK188E
1 N/O + 2 N/C	XALK184G	XALK188G

*To order an **Emergency stop function** empty enclosure (yellow RAL 1021 lid), replace the letter "**D**" in the reference by the letter "**K**" (example: XAL**D**01 becomes XAL**K**01)

**Mushroom head Emergency stop buttons conform to standard IEC/EN 60947-5-5. Trigger action mushroom head Emergency stop buttons conform to standard EN 418 and Machinery directive 98/37/EC

Plastic stations **XALD**			Complete stations
2 Pushbuttons			
1 Flush 1 Projecting	1 N/O 1 N/C	I 0	XALD214
1 Flush 1 Projecting	1 N/O 1 N/C	Start Stop	XALD225
1 Flush 1 Projecting	1 N/O 1 N/O	⇧ ⇩	XALD222
3 Pushbuttons			
1 Flush 1 Flush 1 Pilot light	1 N/O 1 N/C 24V AC/DC	I 0	XALD363B
1 Flush 1 Flush 1 Pilot light	1 N/O 1 N/C 24V AC/DC	I 0	XALD363M
1 Flush 1 Flush 1 Flush	1 N/O 1 N/C 1 N/O	⇧ ○ ⇩	XALD324
1 Flush 1 Mushroom head 1 Flush	1 N/O 1 N/C 1 N/O	⇧ ○ ⇩	XALD328



Aluminium stations **XAMW**	Empty enclosures
1 cut-out	XAMWD01
2 cut-outs	XAMWD02
3 cut-outs	XAMWD03
1 cut-out (yellow lid)	XAMWK01

Die-cast metal stations **XAPM** and **XAPJ**		Empty enclosures
1 cut-out	80x80mm	XAPM1201
2 cut-outs	80x130mm	XAPM2202
3 cut-outs	80x130mm	XAPM2203
1 cut-out (yellow lid)	80x80mm	XAPJ1201

Aluminium front plate and protective rear cover **XAPE**	Empty enclosures	
	Front plate	Protective rear cover
1 cut-out, 72x72mm	XAPE301	XAPE901
2 cut-outs, 72x105mm	XAPE302	XAPE902
3 cut-outs, 72x138mm	XAPE303	XAPE903



Plastic stations **XALE**	Empty enclosures
1 cut-out	XALE1
2 cut-outs	XALE2
3 cut-outs	XALE3

Emergency stop function **XALEK**		
1 Emergency stop button	1 N/C	XALEK1701

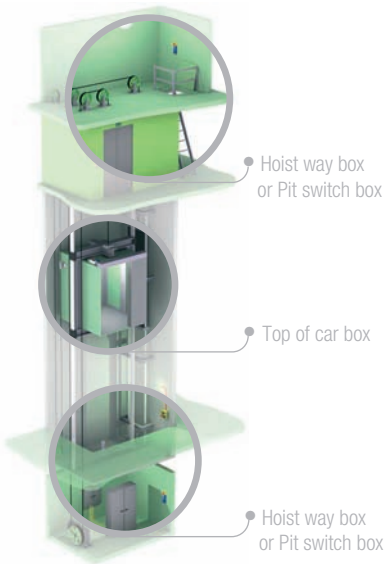


Plastic stations **XALE**			Complete stations
1 Pushbutton			
1 Flush	1 N/O	-	XALE1011
1 Flush	1 N/C	-	XALE1112
2 Pushbuttons			
1 Flush 1 Flush	1 N/O 1 N/C	Start Stop	XALE2151
1 Flush 1 Flush	1 N/O 1 N/O	⇨ ⇦	XALE2231
3 Pushbuttons			
1 Flush 1 Flush 1 Flush	1 N/O 1 N/O 1 N/C	⇧ ○ ⇩	XALE3251
1 Flush 1 Projecting 1 Flush	1 N/O 1 N/C 1 N/O	I 0 II	XALE3401
1 Flush 1 Projecting 1 Flush	1 N/O 1 N/C 1 N/O	⇨ ○ ⇦	XALE3351

Plastic stations, severe environment **XALG**	Empty enclosures
1 cut-out	XALG01
2 cut-outs	XALG02
3 cut-outs	XALG03
4 cut-outs	XALG04
5 cut-outs	XALG05

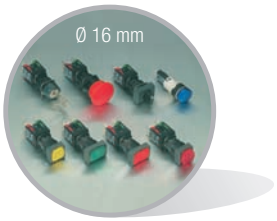


Lift inspection stations **XALF**		
Pit switch boxes		
1 Emergency stop[1]	1 N/O+1 N/C	XALFKT6445
1 Emergency stop[1]	1 N/O+1 N/C	XALFKT6445•11[2]
1 Flush	1 N/O	XALFKA2531
1 Flush	1 N/O	XALFKA5511
1 Flush	1 N/O	XALFKA2521
Hoist way boxes		
1 Emergency stop[1] 1 Flush 1 Flush 1 Socket	1 N/O+1 N/C 1 N/O 1 N/O	XALFK3010E
Top of car boxes		
1 Emergency stop[1] 1 Flush 1 Flush 1 Flush 1 Flush 1 Selector switches 1 Selector switches "Door"	1 N/O+1 N/C 2 N/O 1 N/O 2 N/O 1 N/O 3 N/O+3 N/C 1 N/O+1 N/C	XALFP7004E

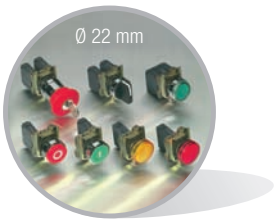


[1] Trigger action, with signalling light (white LED) and mechanical indication of status (EN418, EN81)
[2] Replace the • by the letter "**B**" for **24**V AC/DC, "**G**" for **110**V AC, "**M**" for **230**V AC depending on the required supply voltage (example: XALFKT6445**B**11 for 24V AC/DC)

Discover the full Harmony range



Plastic bezel range XB6
Range suited to small machines and tertiary control panels



Metal bezel range XB4
Robust range suited to industrial applications



Plastic bezel range XB5
Range resistant to chemical agents and with double insulation



Plastic bezel range XB7
Monolithic offer for simple machines



9001 K & SK range
Range suited to heavy industry

Harmony it's also a complete range of:
- Beacons and indicator banks
- Control stations and enclosures
- Cam switches
- Foot switches

The efficiency of Telemecanique branded *solutions*

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



A worldwide presence

Constantly available
- More than 5 000 points of sale in 130 countries.
- You can be sure to find the range of products that are right for you 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.

www.telemecanique.com

Simply Smart!

Schneider Electric Industries SAS

Head Office
89, bd Franklin Roosevelt
92506 Rueil-Malmaison Cedex
FRANCE

www.schneider-electric.com

Owing to changes in standards and equipment, the characteristics given in the text and images in this document are not binding until they have been confirmed with us.
Design: www.blueloft.fr
Photos: Schneider Electric
Print:

DIA4ED1060601EN

ART.816781

07 / 2006