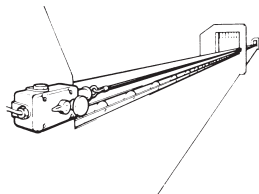


## Grab Wire Switches — continued

### 'Lifetime 4' – Grabwire Operated (EN418)

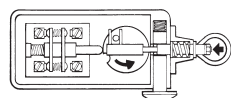


H = 69, W = 202.5, D = 80  
Fixing centres = 48 101 M5 clearance

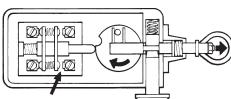


Typical application

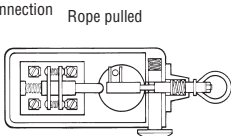
**GuardMaster**  
SPECIALISTS IN MACHINERY SAFETY



Rope slack



Forced disconnection



Correct tension

Safety switch operated by a red PVC coated steel rope 'Grab wire', (order separately) designed for the safeguarding of exposed machinery, conveyors and handling equipment. The switch which is immune to nuisance tripping caused by machine vibration, has been manufactured in accordance with **EN418**. Housed in yellow epoxy coated heavy duty diecast alloy sealed to **IP65**.

If the rope is pulled in an emergency or cut, the safety contacts are operated force disconnecting the power. A latch ensures the machine cannot be reset until the hazard has passed and the switch is reset by turning the blue reset knob. The unit also has an integral emergency stop button which operates the same mechanism.

A viewing window allows you to see the exact position of the rope for easy setting and adjustment.

A dial indicator shows the state of the rope/system, machine 'RUN', emergency stop 'ROPE PULLED' or 'SLACK WIRE', the unit also has a rope tension indicator.

Supplied with security type lid fixing screws and security bit.

Two wire rope kits are available KIT1 (contains red PVC coated steel wire rope, tensioners and supports for applications requiring up to 15m) and KIT2 (contains all items required for applications up to 30m).

**Note:** It is strongly recommended by the factory inspectorate that one 'Lifetime' switch is installed at each end of the rope. For installations requiring less than 10m of coverage, it may be possible to use only one 'Lifetime' with an anchor bolt at the other end, however, this must be carefully considered against the hazard that the machine represents.

Range	1 to 75m	Switch rating	1A @ 500V, 2A @ 250V, 5A @ 100V
Contacts	2 pair N/C (safety) 1 pair N/O (auxiliary)	Operating force	<125N - 300mm deflection
Conduit entry	3 x M20 or 3 x PG11	Operating temperature	-25°C to +80°C

Mfrs. List No. 13042 = 773-724, 13044 = 773-736, KIT1 = 178-841, KIT2 30M = 178-842  
CTL182X

Entry Size Switch	Order Code	Price Each			
		1+	10+	25+	50+
M20	773-724				
PG11	773-736				
<b>Rope Kits</b>					
15 metre	.178-841				
30 metre	.178-842				

### Emergency Stop – Grabwire Switches

Telemecanique



H = XY2CH = 68 W = XY2CH = 197 D = XY2CH = 40  
XY2CE = 142 XY2CE = 195 XY2CE = 52  
\*Dimensions are without guard

Conforms to	IEC 947-5-1, EN 60204-1, EN292
Operating temp.	-25 to +70°C
Degree of protection	IP65
Contact operation	N/C + N/C or N/C + N/O slow break
Operational voltage	24 to 380V ac
Operational ratings	AC-15 : A300 or Ue = 240V, Ie = 3A DC-13 : Q 300 or Ue = 250V, Ie = 0.27A
Nominal thermal current	10A

- Models for use with cable lengths of up to 50 metres
- Extensive coverage with only one switch
- All models have latching slow-break contact
- Externally accessible booted pushbutton
- Fitting kits available

Mfrs List No.	Maximum Cable Length	Cable Anchor Point	Contacts
XY2CH13270	15m	RH or LH side	1N/C+1N/C
XY2CH13250	15m	RH or LH side	1N/C+1N/O
XY2CE1A250	50m	RH side	1N/C+1N/O
XY2CE2A250	50m	LH side	1N/C+1N/O

CTL304

Mfrs. List No.	Order Code	Price Each		
		1+	5+	10+
XY2CH13270	322-7777			
XY2CH13250	322-7789			
XY2CE1A250	322-7790			
XY2CE2A250	322-7807			
Fitting Kits for XY2-CH				
XY2-CZ9310	10m 322-7819			
XY2-CZ9315	15m 322-7820			
Fitting Kits for XY2-CE				
XY2-CZ9325	25m 322-7832			
XY2-CZ9350	50m 322-7844			

### Grabwire Operated Stop Switch



- Lockout mechanism isolates safety contacts until manually reset
- Fail safe mechanism in the event of slack or broken rope
- Heavy duty die cast metal housing
- Correct rope tension indicator
- Straight, left and operated versions available
- **UL** and **CSA** approved

**IMO**  
Best value

Standards:	Conforms to <b>EN418</b>
Safety contacts:	1N/O+1N/C or 2N/C
Contact rating:	6A@230Vac, 4A@400Vac, 1A@500Vac
Conduit entry:	PG 13.5
Operating temperature:	-25°C to +60°C
Enclosure rating:	IP66
Range:	Upto 12m (FD*74) or upto 35m (FD*83 and FD*84)

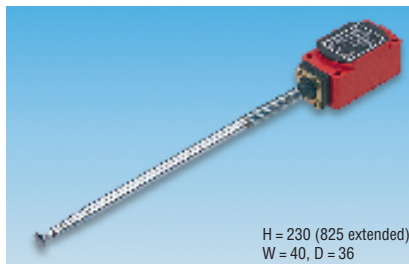
Applications over 15m should include a switch at both ends. Kit 15 contains sufficient PVC coated steel rope, thimbles, rope clamps, eyebolts and tensioner for a 15m application. Kit 30 contains similar for 30m application.

CTL324

Mfrs. List No.	Safety Contacts	Operation	Order Code	Price Each		
				1+	5+	25+
FD683	1N/O+1N/C	Left	320-6701			
FD684	1N/O+1N/C	Right	320-6713			
FD678	1N/O+1N/C	Straight	320-6725			
FD983	2N/C	Left	320-6737			
FD984	2N/C	Right	320-6749			
FD978	2N/C	Straight	320-6750			
Rope Kit 15	15m		320-6762			
Rope Kit 30	30m		320-6774			

### Trip Devices

#### Telescopic Trip Switch



H = 230 (825 extended),  
W = 40, D = 36

**GuardMaster**  
SPECIALISTS IN MACHINERY SAFETY

- May be operated from any direction
- Robust 6 stage telescopic antenna
- Forced disconnection of contacts within 10° movement of antenna (deflection of 120° in any direction is possible without damage)
- Mechanism is adjustable for sensitivity down to a 5° deflection of antenna
- Housed in a rugged glass reinforced nylon case
- Sealed to **IP65**
- Fully conforms to **EN418**

Contacts	1 pair N/C (safety) 1 pair N/O (auxiliary)	Contact rating	1A @ 500V ac, 2A @ 250V ac 5A @ 100V ac max
Conduit entry	1 M 2 0	Operating temperature	-10°C to +60°C

CTL196X

Mfrs. List No.	Order Code	Price Each			
		1+	10+	25+	50+
05001	.594-271				