

# CONTROL MECHANISMS

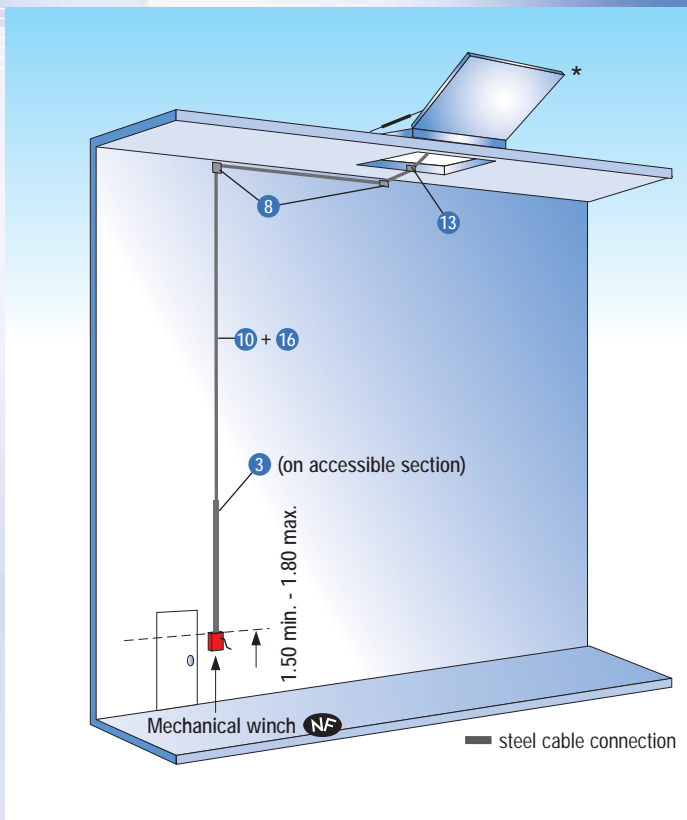
for smoke evacuation and ventilation units

Advanced control kits for security equipment.

Easy to install with the combination of a base kit and a choice of satellite equipment (mechanical, pneumatic, electrical) designed for the control of the following smoke evacuation and ventilation units:

- Pyrodôme® Evolution Treuil Cable Operated Unit
- Pyropass® Evolution
- Pyrotop
- Rooflam® Evolution Treuil Cable Operated Unit

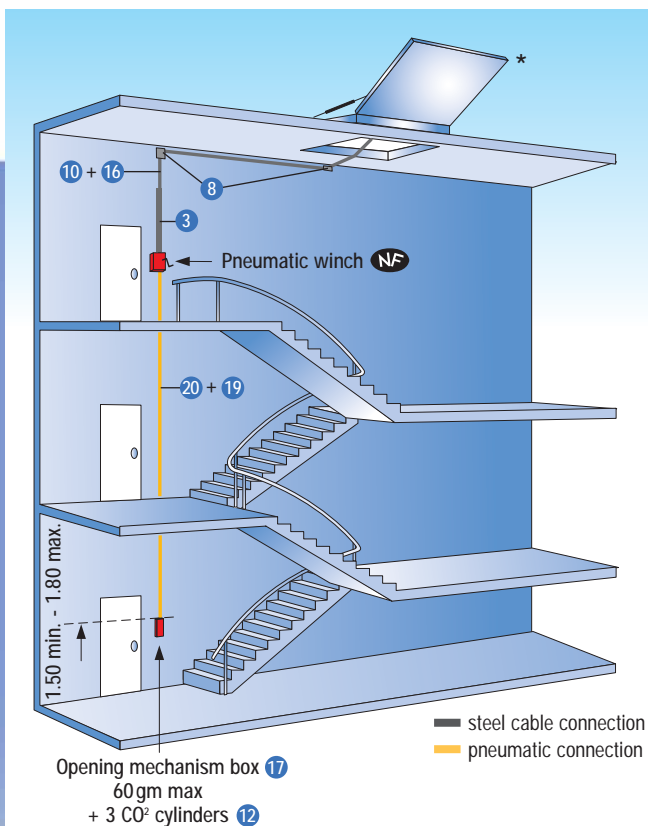
## KIT TREUIL XKT 101



### Components of mechanically operated control mechanism

- > 1 mechanical winch (NF)
- > 15 lm of cable (10)
- > 1 cable clamp (16)
- > 2 pulleys and guards (8)
- > 1 offset pulley (13)
- > 2.5 lm of protective cable sleeve (3)
- > Screws

## KIT PNEUMATIQUE XKT 102

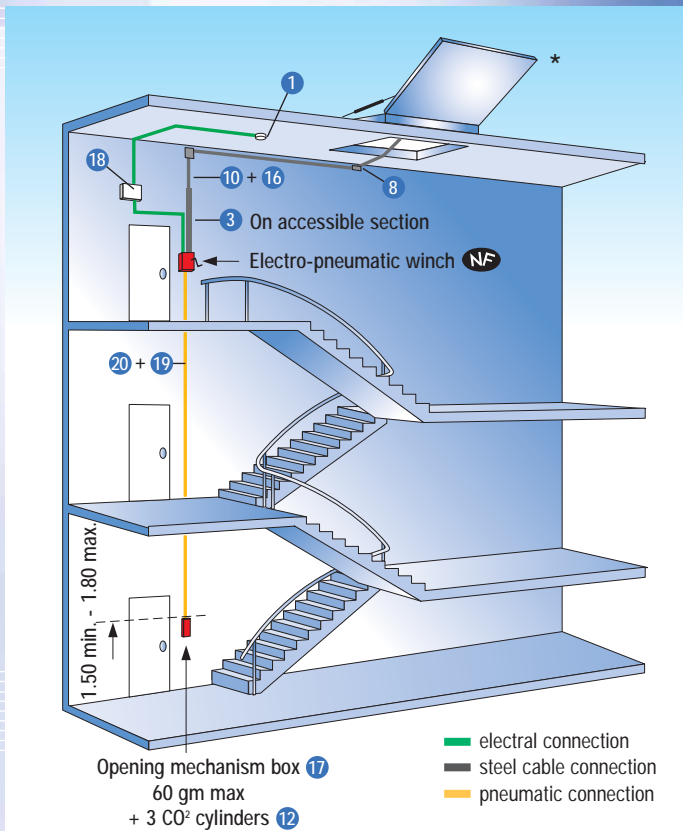


### Components of pneumatically operated control mechanism

- > 1 pneumatic winch (NF)
- > 15 lm of cable (10)
- > 1 cable clamp (16)
- > 2 pulleys and guards (8)
- > 1 offset pulley (13)
- > 2.5 lm of protective cable sleeve (3)
- > 1 opening mechanism box 60 gm max (17)
- > 3 x 27 gm CO<sub>2</sub> cylinders (12)
- > 25 lm of copper tubing (20)
- > 25 fixing clamps for copper tubing (19)
- > Screws

\* Pyrodôme® Evolution Treuil or Rooflam® Evolution Treuil or Pyropass® or Pyrotop

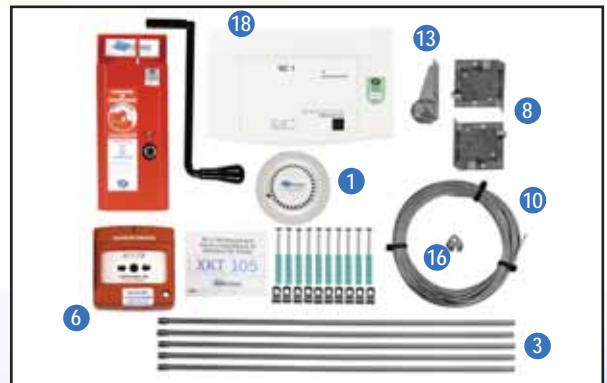
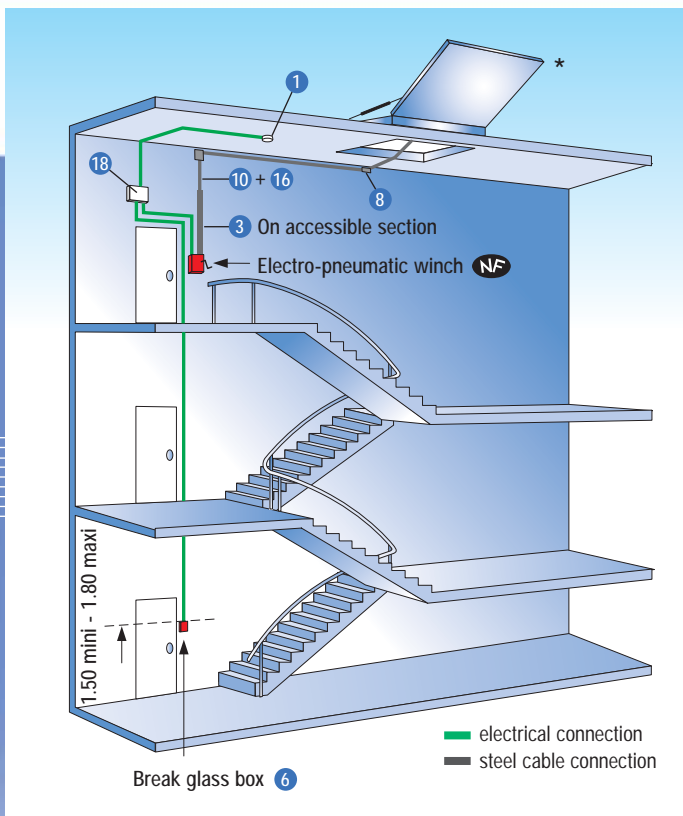
## KIT TREUIL XKT 1031



### Components of electro-pneumatically operated control and smoke detection mechanism

- > 1 electro-pneumatic winch (NF) 24V rupture
- > 15 lm of cable 10
- > 1 cable clamp 16
- > 2 pulleys and guards 8
- > 1 offset pulley 13
- > 2.5 lm of protective cable sleeve 3
- > 1 opening mechanism box 60 gm max. 17
- > 3 x 27 gm CO<sup>2</sup> cylinders 12
- > 25 lm of copper tubing 20
- > 25 fixing clamps for copper tubing 19
- > 1 smoke detector (NF) with battery 18
- > 1 detector head 1
- > (2 x 1.5 mm rupture cable, not supplied)
- > Screws

## KIT TREUIL XKT 1051



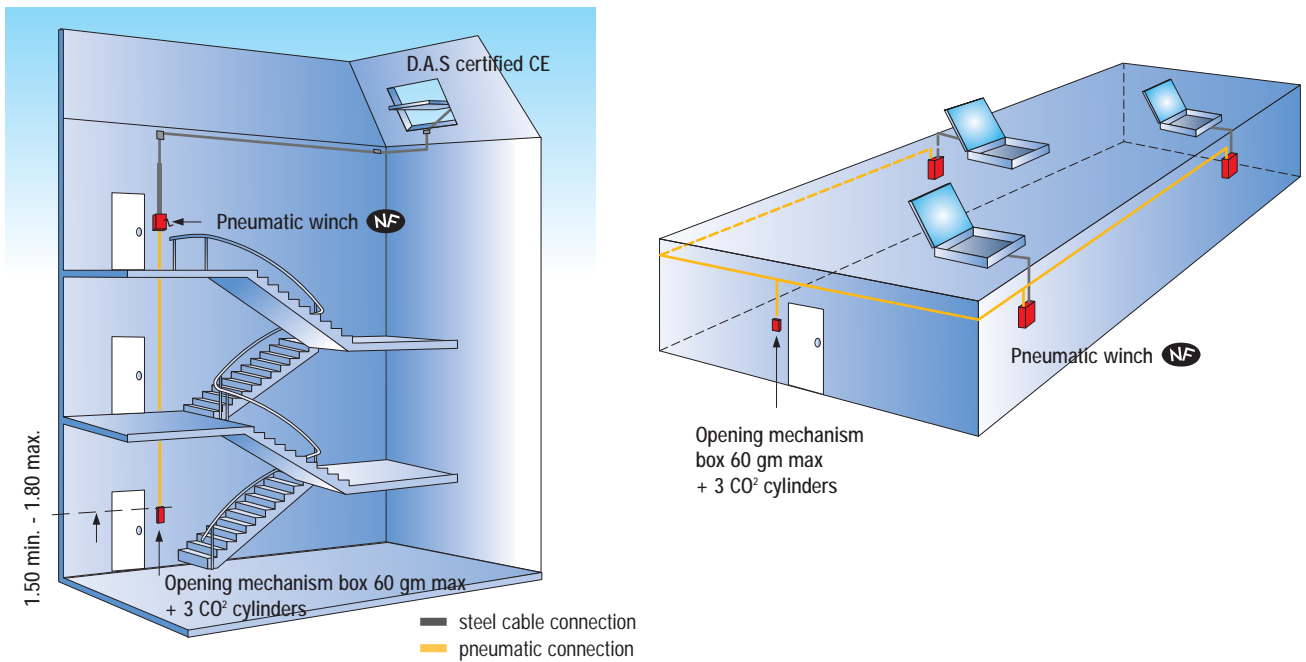
### Components of electro-magnetically operated control and smoke detection mechanism

- > 1 electro-magnetic winch (NF) 24V rupture
- > 15 lm of cable 10
- > 1 cable clamp 16
- > 2 pulleys and guards 8
- > 1 offset pulley 13
- > 2.5 lm of protective cable sleeve 3
- > 1 break glass box 6
- > (2 x 1.5 mm electric cable, not supplied)
- > 1 smoke detector (NF) with battery 18
- > 1 detector head 1
- > Screws

\* Pyrodôme® Evolution Treuil or Rooflam® Evolution Treuil or Pyropass® or Pyrotop

## OTHER USES OF OUR CONTROL MECHANISMS

### Example of use of XKT102



## INSTALLATION RULES (NFS 61-932)

### INSTALLATION CONDITIONS

#### § 6.1 Electric cables

§ 6.1.1 - Care must be taken to ensure that the electric cables operating the units, the remote control panels and the control mechanism are kept away from the ventilation path.

Their cores must be equal to or more than 1.5 mm for single core cables and 1 mm for multi-core cables. Current emission remote control cables must be made from category CR1 cables (in accordance with norm NFC 32-070) or from category CR2 cables (in accordance with NF C 32-070) positioned in protected paths. Remote control cables using current rupture must be, at the very least, made from a category CR2 cable in accordance with NFC 32-070.

#### § 6.2 - Pneumatic Connections

§ 6.2.1 - These must be made entirely from copper or from stainless steel.

They must be guaranteed to resist test pressures equal to three times the pressure in use, with a minimum of 90 bar.

Links have to be steel-on-steel waterproofed.

They must be made inaccessible from the ground floor (in accordance with norm NFS 61-931) and must be protected **(by sleeves, sheaths, etc) against accidental mechanical impacts depending on the building use.**

They must either run inside the building away from the risk of frost or be effectively protected against frost.

#### § 6.3 - Cable connections

§ 6.3.1 - The remote control line cannot be longer than:

- **15 m** for a single installation if the cable is visible in its entire length from the ground floor of the building.
- **8 m** in other cases.

Reversal returns are carried out by the use of offset pulleys.

A maximum of 4 returns per remote control is permitted.

**The angle change on the pulley must be < 110°.**

On all accessible areas situated on the ground floor (in accordance with NF S 61-931), the steel remote control cable **must be protected (by rigid tubing, guards, etc) and must be fixed at least each 2 m for its horizontal part.**