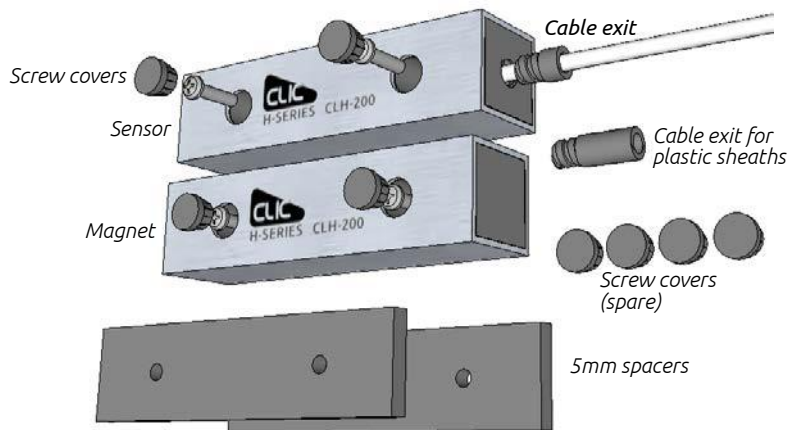


1. TECHNICAL FEATURES

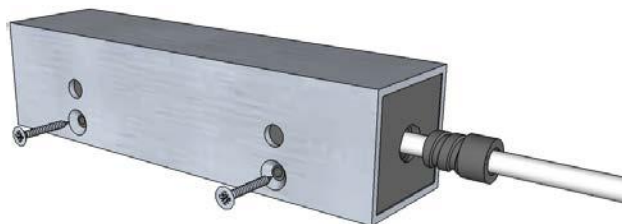
- * Based on patented Magnasphere® technology, used under license
- * Dimensions in mm magnet/sensor (l x h x d): 100 x 25 x 25
- * 4-wire flying lead:
 - * WHITE/RED: primary contact, closed with magnet in secure position.
 - * GREEN/YELLOW: tamper pass-through.
- * Electrical parameters: (max., per circuit): 30VDC, 250mA, 0.25W
- * Anodized aluminum case, full potting, suitable for external use
- * Certified IMQ-SISTEMI DI SICUREZZA: Grade 3, Environmental Class IV according to EN 50131-2-6:2008-09.

2. PACKAGE CONTENTS

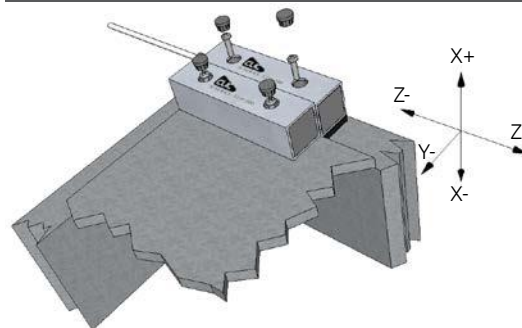


3. PREPARING THE SENSOR FOR INSTALLATION

- * Assemble the sensor with the cable exit on either side of the aluminum case, unscrewing the two stainless steel screws on the back of the sensor, as shown in the picture.
- * You can protect the cable with:
 - * the short cable exit;
 - * a plastic, 8mm internal diameter sheath which will fit exactly the long cable exit accessory;
 - * the stainless steel, reinforced sheath TSec part no. CLH-2G.



4. IN-LINE INSTALLATION: WORKING GAPS IN mm



- * The sensor comes pre-configured for in-line installation.
- * Mount sensor and magnet as shown in the picture above.

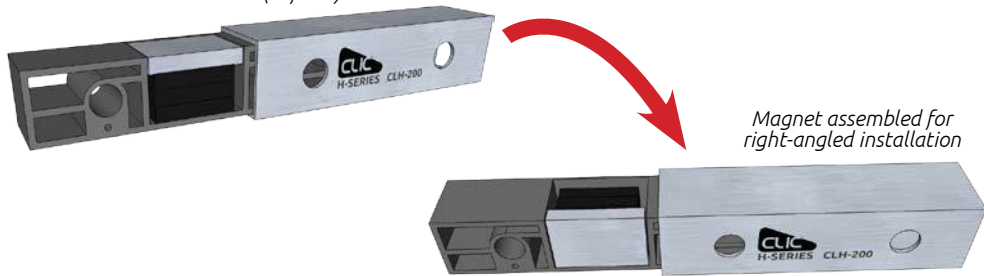
Axis	Action	Dist. no iron	Dist. iron
Z+	Removal	25*	24*
	Approach	16*	20*
Z-	Removal	23*	18*
	Approach	12*	14*
X+	Removal	22*	22*
	Approach	10*	15*
X-	Removal	22*	22*
	Approach	10*	15*
Y-	Removal	20	20
	Approach	12	15

*Considered at nominal distance D=8mm



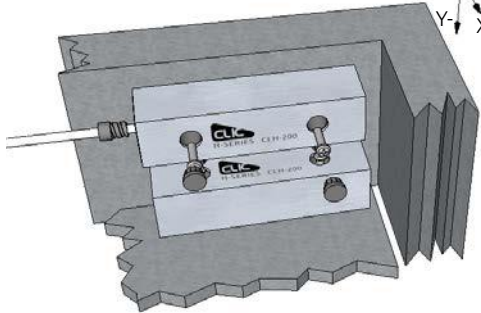
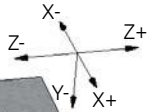
5. PREPARING THE MAGNET FOR RIGHT-ANGLE INSTALLATIONS

Magnet assembled for in line installation (default)



Magnet assembled for right-angled installation

6. RIGHT-ANGLED INSTALLATION: WORKING GAPS IN mm



Axis	Action	Dist. no iron	Dist. iron
Z+	Removal	25*	25*
	Approach	16*	16*
Z-	Removal	23*	18*
	Approach	12*	15*
X+	Removal	22*	22*
	Approach	10*	15*
X-	Removal	22*	22*
	Approach	10*	15*
Y-	Removal	20	20
	Approach	12	14

*Considered at nominal distance $D=8mm$

- * Reconfigure the magnet as shown in the previous section.
- * Mount sensor and magnet as shown in the picture above.

7. SECURITY RECOMMENDATIONS

- * Note that screw caps are anti-tamper, and should be positioned only after testing is complete.
- * If necessary, use the supplied 5mm spacers to better align sensor and magnet.
- * **Note that there is no minimum operating gap: you can install magnet and sensor as close to each other as needed.**
- * To obtain a maximum security installation, it is recommended that:
 - * the operating distance between sensor and magnet is minimised;
 - * sensor and magnet are installed with one-way security screws.

8. OPTIONAL ACCESSORIES

- * One way, stainless steel, self tapping screws part no. **CLH-1S**.
- * For maximum security, we recommend installing the reinforced, stainless steel sheath part no. **CLH-2G10**.
- * For installation on safes and armored panels, use accessory iron supports w/ one-way security screws, part no. **CLH-2MF**, for easier installation.
- * When it is absolutely necessary to work with a larger operating gap, use the accessory magnet, part no. **CLH-2XT**, adding it to the magnet as shown in the picture below. Note that in this case certification according to EN50131 will be void.

