

Instructions for damper actuators, SILVER C PX plate heat exchanger

1. General

The modulated damper actuators are used for variably opening and closing the damper of the SILVER C PX plate heat exchanger via 0-10 V control signal.

2. Technical data

Damper actuator, GDB161.1E

Torque	5 Nm
Actuating time 90°	150 seconds
Frequency	50/60 Hz
Voltage	24 V AC
Power consumption in operation	3 VA
idle	1 W
Temperature, in operation	-32 to +55°C
Temperature, storage	-32 to +70°C
Humidity, ambient	< 95% r.h.
Run cable	0.75 mm ² , 2.5 m long
Enclosure class	IP 54
Conformity, CE	2004/108/EEC IEC/EN 61000-6-3 IEC/EN 61000-6-2



3. Electrical connections

The electrical connections are to be wired by a qualified electrician in accordance with local electrical safety regulations.

The damper and damper actuator are located on the outdoor air side of the plate heat exchanger. For access, open the inspection door of the air handling unit.

The damper actuator's cables are run to the centre section of the air handling unit. For access, dismantle the measurement tappings (4 pcs.) and back off the bolts that secure the centre panel of the air handling unit; see illustration.

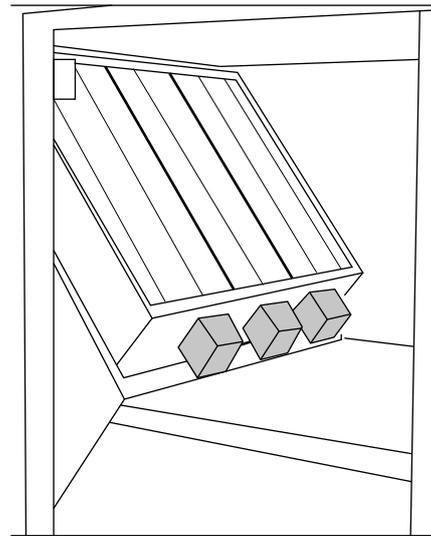
The cable grommets are located on the centre section of the air handling unit.

Respective cabling is marked as illustrated below:

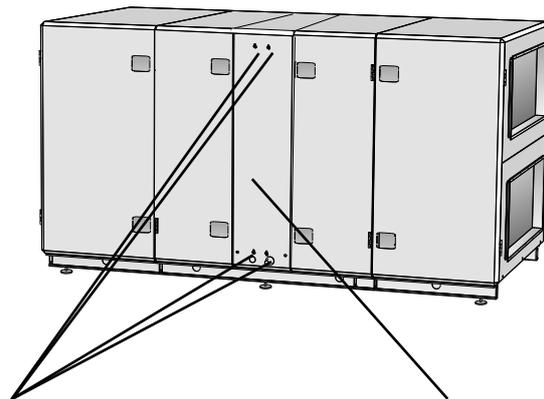
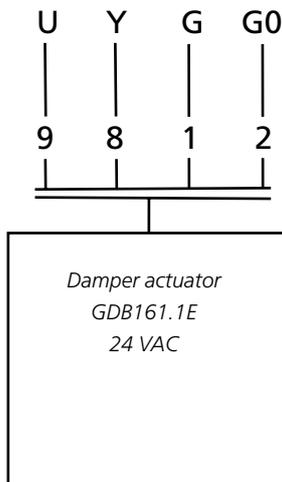
Sectional damper 1 (farthest out) = 1A

Bypass damper (centre) = 2A

Sectional damper 2 (farthest in) = 3A



The damper and damper actuator are located on the outdoor air side of the plate heat exchanger. For access, open the inspection door of the air handling unit.



Dismantle the measurement tappings (4 pcs.).

Back off the bolts that secure the centre section of the air handling unit.