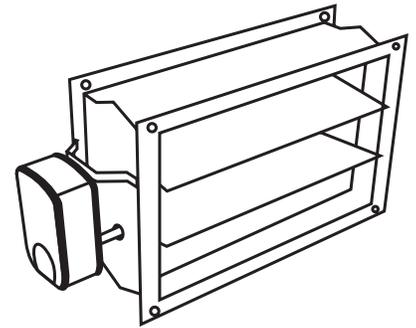


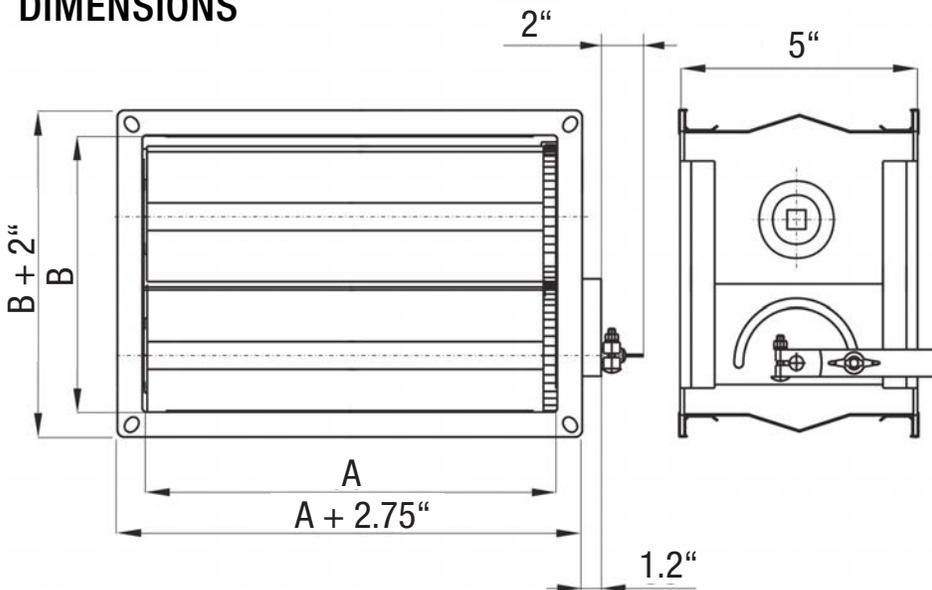
BASIC FEATURES

VSXXXXCM-DAMPER is a rectangular control flap designed for opening and closing ventilation ducting to allow or restrict airflow. These dampers integrate seamlessly with the Ventacity VSCM series ceiling mounted ventilators. The flanged damper frame is composed of galvanized steel, and the shutters are composed of aluminum.

| PRIMARY PARAMETERS | |
|--------------------------------|-----------------------------|
| Input Voltage | 85- 264V AC |
| Frequency | 50/60 Hz |
| Power Consumption In Operation | 1.5 W |
| Power Consumption In Rest | 0.5 W |
| Nominal Torque per Damper | 5 Nm |
| Sound Power Level Motor | 35 dB(A) |
| IEC/EN | IP54 |
| NEMA/UL | NEMA 2, UL Enclosure Type 2 |



DIMENSIONS

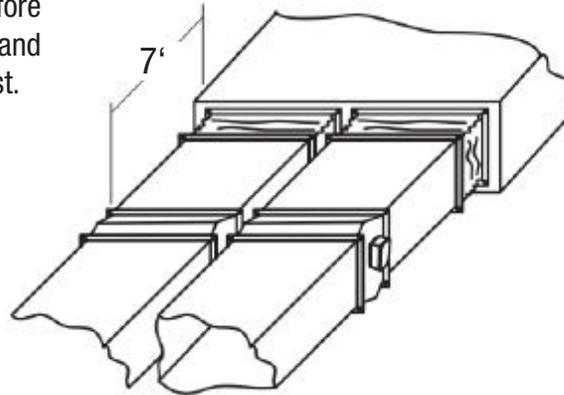


| DIMENSIONS | | | |
|---------------|--------|--------|--------------|
| Type | A [in] | B [in] | Weight [lbs] |
| VS1200-DAMPER | 23.6 | 11.8 | 11.7 |
| VS900-DAMPER | 19.7 | 9.8 | 9.8 |
| VS400-DAMPER | 11.8 | 7.9 | 7.3 |
| VS250-DAMPER | 7.9 | 5.9 | 4.4 |

Rev 01.01

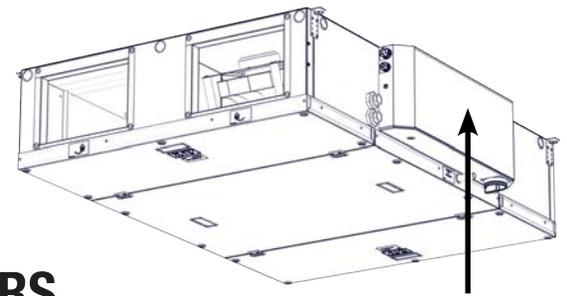
MOUNTING THE DAMPERS

Install the flap in the ductwork at a distance of about 7 feet before the building's fresh air intake and at about 7 feet from the exhaust.

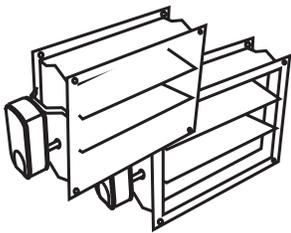


YOU WILL NEED:

- 8 5/16" (or M8) bolts and nuts
- 16 washers
- Suitable wrench
- Flat and Phillips screwdriver, sealing tape and sealant



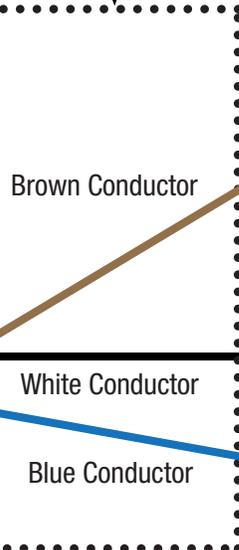
Regulator Box



WIRING THE DAMPERS

1

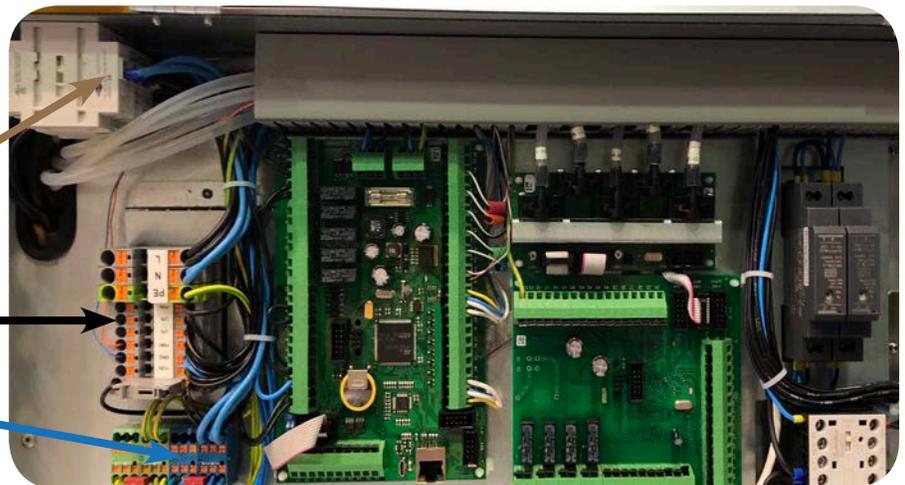
Route 250V rated cable with 3 wires (18 AWG conductors) from both dampers (one cable from each damper) to the regulator box of the CM unit. At the damper, connect the cable to the terminal blocks. At the regulator box, route the cables through the glands and connect the wires to the corresponding terminals described in the subsequent steps.



Brown Conductor

White Conductor

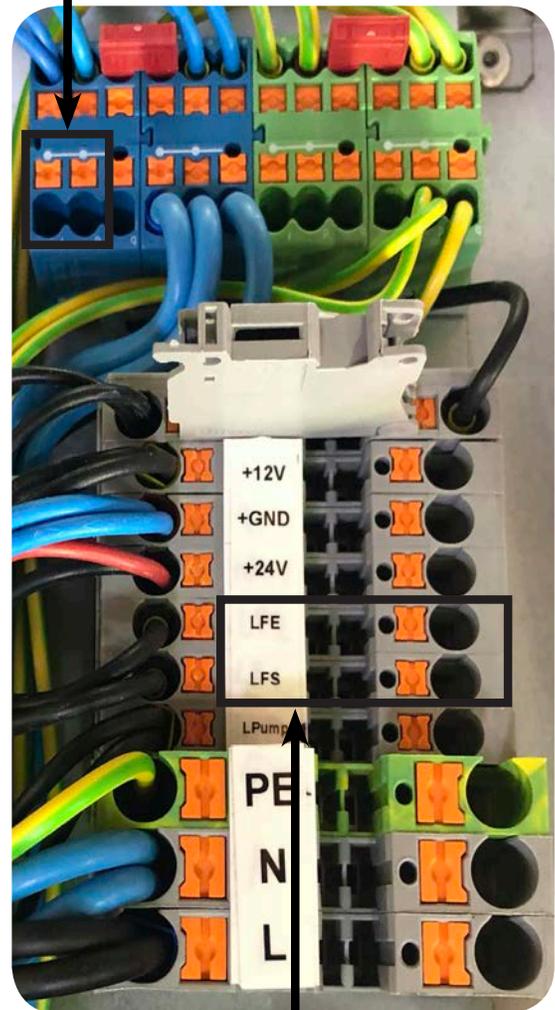
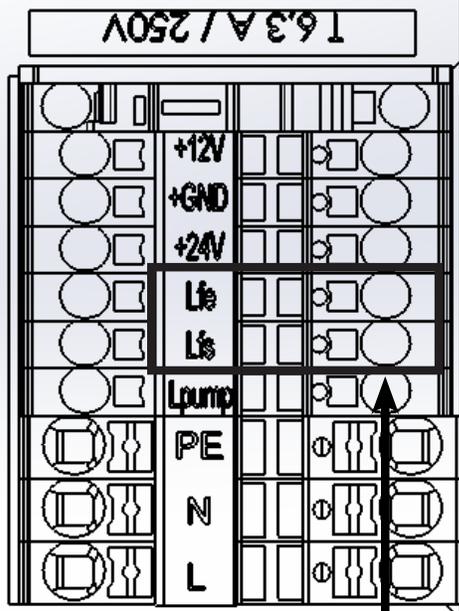
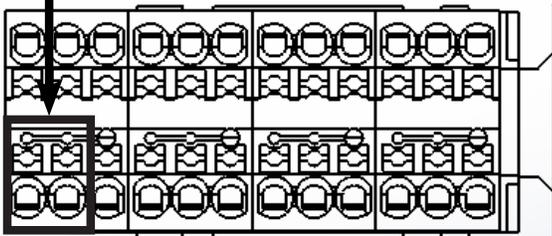
Blue Conductor



WIRING THE DAMPERS

2

Wire the blue conductor of the exhaust air damper to the Neutral terminal block.
 Wire the blue conductor of the supply air damper to the Neutral terminal block.



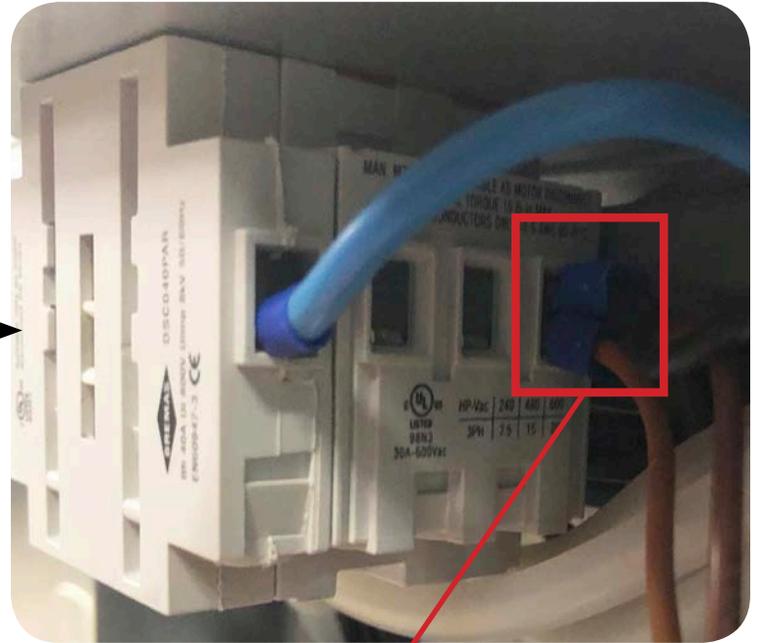
3

Wire the white conductor of the exhaust air damper to LFE.
 Wire the white conductor of the supply air damper to LFS.

WIRING THE DAMPERS

4

Ferrule the brown conductors of the exhaust and supply air dampers together. Wire the ferruled conductors to the secondary side of the main switch as illustrated below. **NOTE:** the ferruled brown wires will share the terminal (outlined in red) with existing wires.



IMPORTANT: ensure wires are secure in the terminal.