

Job Name _____	Location _____
Purchaser _____	Engineer _____
Submitted to _____	Reference _____ Approval _____ Construction _____
Unit Designation _____	Schedule # _____

Features

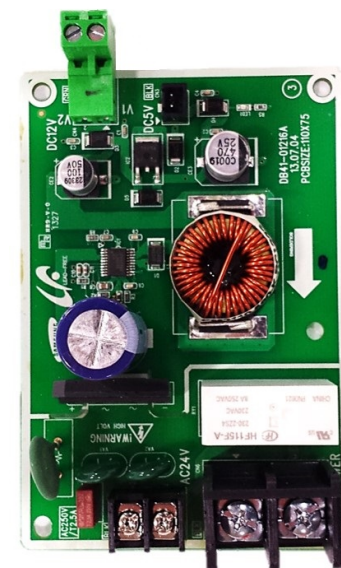
- VCTRL07P-1 MTFC (Multi-Tenant Function Controller) installs in a single indoor unit
- VCTRL07P-1 will monitor supply voltage to an indoor unit and provide power to that unit's PCB when supply voltage is removed to prevent full system failure due to offline unit.
- When supply voltage to an indoor unit is removed/off, VCTRL07P-1 will provide auxiliary 12V DC and 5V DC power to the indoor unit PCB (see table for indoor unit operation details) to keep "awake".
- When supply voltage to an indoor unit is supplied normally, VCTRL07P-1 will cut auxiliary power to the indoor unit PCB allowing normal operation.

Application Examples

- When indoor units are powered from individual tenant power supply/meter where there is a risk of power loss to individual indoor units
- When indoor unit supply power is enabled/disabled for simple indoor unit ON/OFF control

Specifications

- Compatible with Lennox VRF indoor units.
- Power supply: 24 VAC, 50/60 Hz, provided by external transformer (field provided)
- Transformer specifications: UL Standard, Class 2, 24 VAC $\pm$ 15%, 50/60 Hz
- 24 VAC transformer supply voltage must be supplied from a different circuit than indoor units with MTFC.
- Wired remote controllers (VSTAT02P-1, VSTAT04P-1, VSTAT05P-1) connected to multiple indoor units should not be connected to indoor units using VCTRL07P-1 that are powered from different sources
- Power consumption: 10W
- Operating temperature range: 14° F - 122° F
- Maximum indoor unit connection: 1
- 5V DC indoor unit connection cable length: 118"
- VCTRL07P-1 must be installed in an NEC approved enclosure (field provided)
- Dimensions: 4 7/16" X 2 15/16"

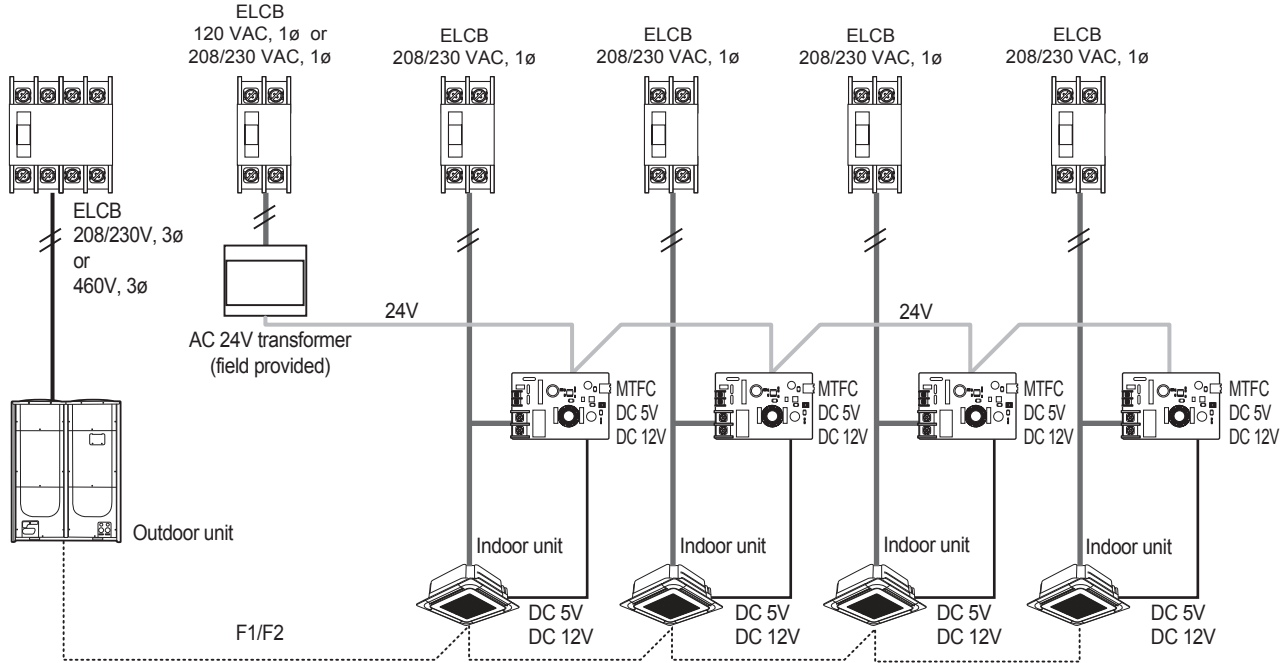


Indoor unit operation details when powered by VCTRL07P-1 MTFC

Item	Indoor Unit Operation	Details
Indoor unit operation	OFF	Indoor unit display display OFF status and cannot be turned ON
Indoor unit expansion valve	Close	Operation OFF
		In heat mode the EEV will operate the same as "noise reduction" control option, momentarily opening and closing EEV at fixed intervals to prevent refrigerant migration
Self error diagnosis	Functional	Indoor unit can still detect some errors (ex: EEV close/open error)
Error display on panel	Partial operation	The indoor unit will display its own errors but not other system errors
Connected wired controller	OFF	Power is removed, will not function
Panel display	All OFF	All LED's on indoor unit are disabled (except during error display)
Input outdoor unit key mode (test mode)	OFF, no operation	All other indoor units will operate that have supply power
Control from central control devices	OFF, no operation	Indoor unit will remain OFF, operation is not possible
Setting option/program codes	Not possible	Option settings from wireless controller, wired controller, SNET Pro 2, and S-Checker is not possible
Recognition of MTFC status	Possible through SNET Pro 2	SNET Pro 2 service software will allow monitoring of MTFC status
Indoor unit chime/beep	OFF	The indoor unit will not provide audible operation notifications

MTFC - Multi-Tenant Function Controller
Connection Example/Details

Connection Example



VCTRL07P-1 MTFC Connection Details

