

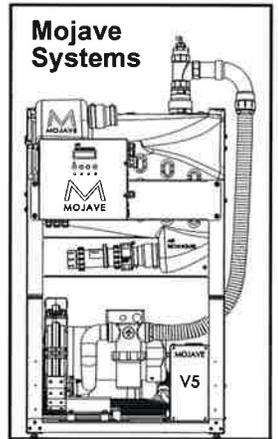
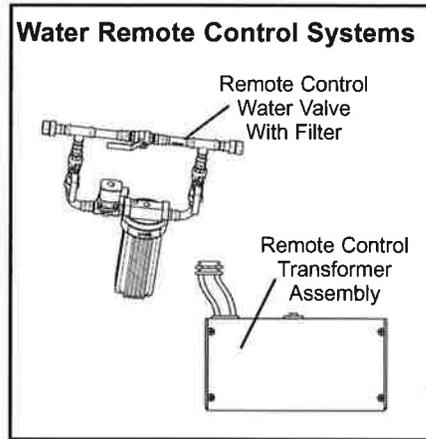
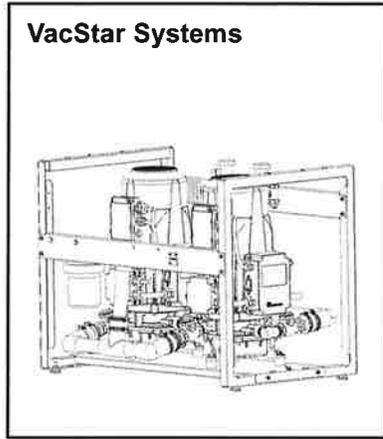
24V LOW VOLTAGE REMOTE CONTROL PANEL KITS

Part Numbers: 53111, 53133, 53250 and 53251

Installation & Operation Instructions

Introduction

This document provides the instructions to install and operate Remote Control Panel Kits, P/Ns 53111, 53133, 53250 and 53251. The kits allow the installation of a remote ON/OFF function for the control of compressor, vacuum and water control equipment manufactured by Air Techniques. This provides a convenient location outside the utility room, usually at the front desk or employee entrance, for easy access by the user. The kits are designed for use on the Air Techniques product families shown below.

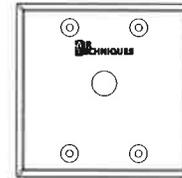


Parts Supplied

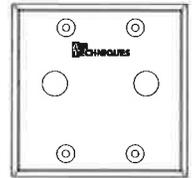
Each kit provides a switch or switches, an associated panel and attaching hardware. These include the following:

Remote Control Panel Kits Supplied Components

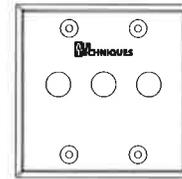
Component	Item	Kit Part Number			
		53111	53251	53250	53133
	Part No.	Quantity	Quantity	Quantity	Quantity
1-Switch Plate	53222-1	1			
2-Switch Plate	53223-1		1		
3-Switch Plate	53224-1			1	
4-Switch Plate	53225-1				1
Push-button Switch	53201-1	1	2	3	4
2 Pump Water Lockout Relay	53240			1	1
Function Designation Ring Labels	See Note	3	5	7	9
Wire Nuts	43303	5	10	15	20
Heyco Bushing	53073	1	1	2	2
Installation & Operation Instructions	53117	1	1	1	1



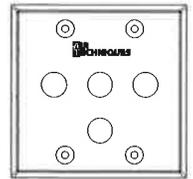
1-Switch Plate 53222-1



1-Switch Plate 53223-1



3-Switch Plate, 53224-1



4-Switch Plate, 53225-1

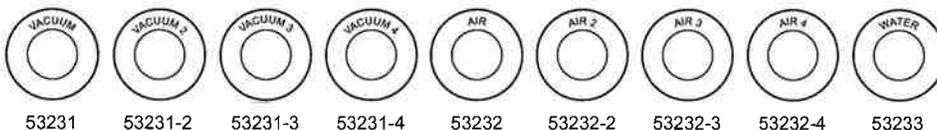
Note: Part numbers of Function Designation Ring Labels included in each kit are as follows:

Kit 53111 - 53231, 53232 and 53233

Kit 53251 - 53231, 53231-2, 53232, 53232-2 and 53233

Kit 53250 - 53231, 53231-2, 53231-3, 53232, 53232-2, 53232-3 and 53233

Kit 53133 - 53231, 53231-2, 53231-3, 53231-4, 53232, 53232-2, 53232-3, 53232-4 and 53233



Switch, 53201-1



Wire Nuts, 43303



Heyco Bushing, 53073



INSTALLATION

Important:

Use #16 AWG instead of #18 AWG for any 24V circuit exceeding 150 feet.

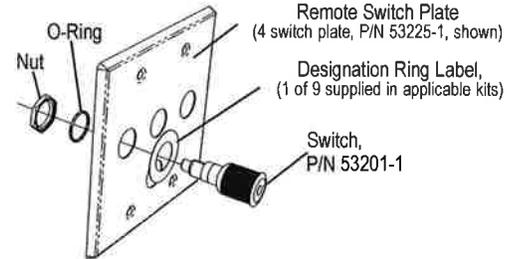
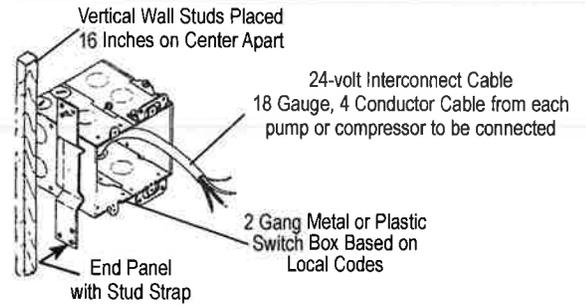
Site Preparation

Prior to installing the Remote Control Panel, the connections between the equipment room and the remote location must be installed. This includes the installation of a user-supplied electrical box as shown to the right and the associated cable connected to the equipment 24-Volt circuitry. All installations must be made using standard industry practices and in accordance with all local codes.

Kit Assembly

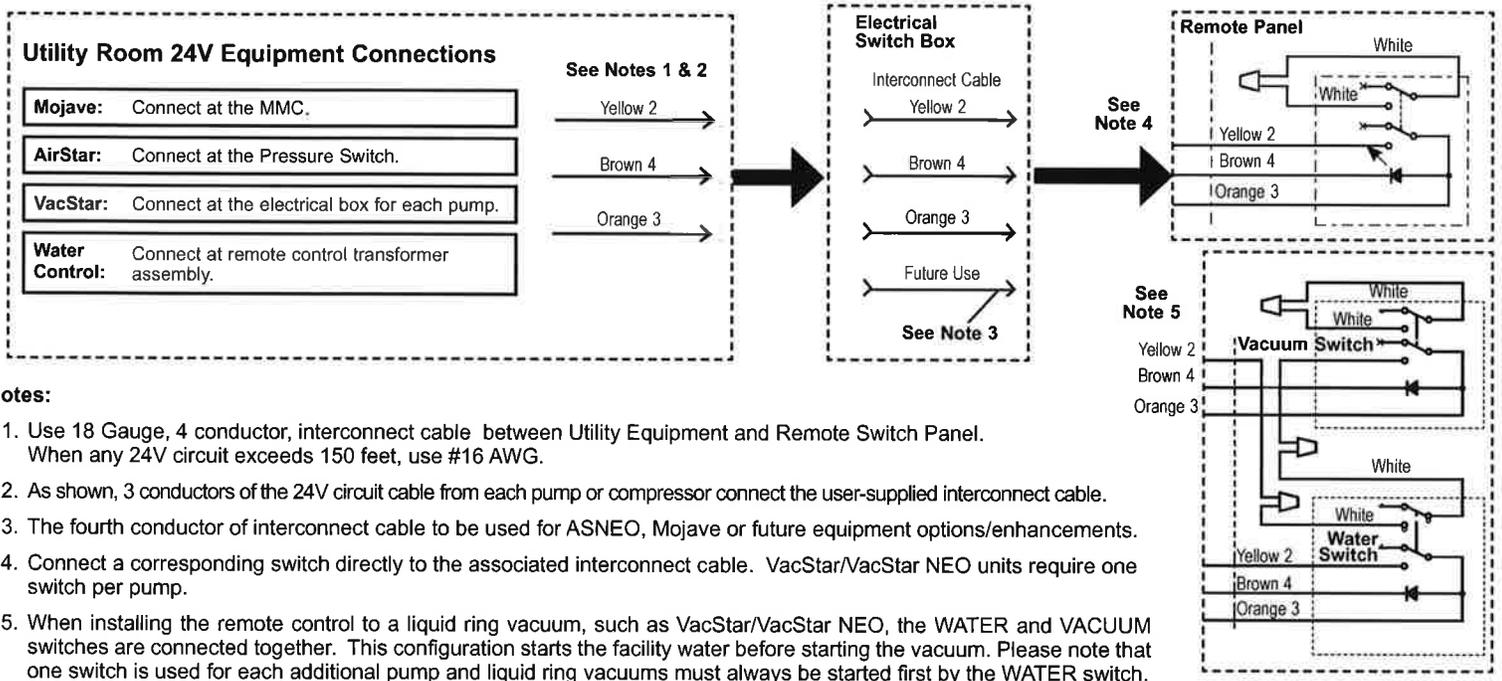
Unpack kit to be installed and make sure all items listed on the front page are included in the kit. Install the switch or switches onto the plate as follows.

1. Thread the switch wire through the ring label plate hole.
2. Hold the switch and carefully install the o-ring on the rear of the switch.
3. Install the nut, loosely tightened, on the rear of the switch.
4. Center the ring label over the switch and tighten the nut securing the switch.
5. Repeat above steps as necessary for additional switches.



24V Remote Switch Connections.

Use the supplied wire nuts and Heyco bushings as necessary to connect each switch to the 24V low voltage line as shown below:



Switch Plate Installation

Install the switch plate with the mounted switch or switches onto the user-supplied electrical box as follows.

1. Carefully fold each connected switch wire into the electrical box making sure not to break the connection.
2. Hold the switch plate on the electrical box and secure switch plate with the four supplied screws.

OPERATING INSTRUCTIONS

Operating Instructions

Once the Remote Control Panel is properly installed, perform the following to connect or disconnect the 24-volt operating voltage for the equipment under control.

Note: When installing the remote control to a liquid ring vacuum, such as VacStar/VacStar NEO, The VACUUM switch is locked out by the WATER switch to insure that the water is available before the vacuum starts.

1. Turn ON the desired equipment by depressing the associated Remote Control Panel switch or switches. Observe that the switch is flush with the panel and the corresponding switch LED indicator illuminates green.

Important: Always set all Remote Control Panel switches to the OFF position at the close of the day.

2. Turn the equipment OFF by pressing all Remote Control Panel switches to the OFF position. Observe that each switch protrudes from the panel with the LED indicator extinguished.