tekmar [®] Su Pump Sequencer		C 132 01/11		
			Multi-Staging	Replaces: New
Job Park Forest	Designer	Contact		

The Pump Sequencer 132 is designed to operate 2 pumps by providing stand by or staging operation. It can be used in a wide range of applications, including residential installations using a backup system pump to commercial applications that require energizing a second stage for increased flow or head. The main function of the 132 is to provide lead lag capability to a standby pump setup, or to provide staging capability for a dual pump installation. The 132 can energize up to 2 pumps, as well as provide alert contacts that can be used in the event of a failure.



Specifications

Pump Sequencer 132 Stand-by / 2-Stage						
Literature	D132, A132, D001					
Control	Microprocessor control. This is not a safety (limit) control					
Packaged weight	2.9 lb. (1320 g)					
Dimensions	6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)					
Enclosure	Blue PVC plastic, NEMA type 1					
Approvals	CSA C US, meets class B: ICES & FCC Part 15					
Ambient conditions	Indoor use only, 32 to 120°F (0 to 50°C), RH ≤90% Non-condensing					
Power supply	120 V ±10%, 50/60 Hz, 6 VA					
Pump relays	240 V (ac) 10 A 1/2 hp					
Alert relays	240 V (ac) 10 A 1/3 hp					
Demands	20 to 260 V (ac) 2 VA					
Sensors	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892					
-Optional	Outdoor Sensor 070					
Warranty	Limited 3 Year (See D132 for full warranty)					

Energy Saving Features

Warm Weather Shut Down

Additional Features -

- Equal Run Time Rotation
- · Lead lag operation
- 2 Stage capability
- Exercising
- Alert per pump or alert levels
- Adjustable flow proof delay
- Test sequence
- CSA C US certified
 (approved to applicable UL standards)

SPECIAL REQUIREMENTS N / A

Sample Application Drawing

Below is a sample application drawing for this product. This application may include other tekmar products that are required for installation. More sample applications can be found at www.tekmarcontrols.com.







SCALE: NONE

WIRING DIAGRAM HEAT RECOVERY (FOR DOMESTIC HW)



INSTALLATION. 2. POSITION OF ALL SWITCHES SHOWN WITH CURRENT OFF. FOSITION OF ALL SWITCHES SHOWN WITH CORRENT OFF.
 SEE SERVICE HANDBOOK FOR EXPLANATION OF CONTROLS.
 IF ANY OF THE ORIGINAL WIRE AS SUPPLIED WITH THE APPLIANCE MUST BE REPLACED, IT MUST BE REPLACED WITH THERMOPLASTIC 105°C WIRE OR ITS EQUIVALENT, EXCEPT WIRES RUNNING TO "N.O." & "R,Y,W,O" TERMINALS ON UNITS; THIS WIRE IS SOLID JACKETED TWO THERMOSTAT CABLE. 5. ALL ELECTRICAL SWITCHES INTERRUPTING THE LINE VOLTAGE

18/2 LOW VOL	TAGE WIRE LENGTHS	14 AWG	LINE VOLTAGE	WIRELENGTHS	DDC CABLE LENGTH	S	ADAPTA FLEX CONDU	JIT LENGTHS
Unit #	Wire Length	Unit #	Wire #	Wire Length	Between Unit #'s	Wire Length	Between Unit #'s	Conduit Length
#1	161"	#1	8 & 10	130″	#1 & Control Box	140"	#1 & Control Box	91″
#2	83″	#2	11 & 12	54"	#1 & #2	161-1/2"	#1 & #2	114"
#3	158″	#3	13 & 14	119″	#2 & #3	161-1/2"	#2 & #3	114″
#4	205″	#4	15 & 16	171″	#3 & #4	161-1/2"	#3 & #4	114"
#5	248″	#5	17 & 18	229″	#4 & #5	161-1/2"	#4 & #5	114″
#6	300″	#6	19 & 20	278″	#5 & #6	161-1/2"	#5 & #6	114″
500'spool = Pa	rt# 88301606	500' Sp	bool = P# 8828	4592	P# M-CVO008		P# = PAFS21/BL1 =	100' COIL

HEAT PUMP SKID WIRING

SCALE: NONE

SCALE: NONE