

Instruction Manual for SZ-85005



ANNUNCIATOR is as an Microprocessor based alarm Annunciator to keep an alert and watchful eye on chiller system.

It takes input from 6 basic trip signals like HP,LP,COMP OL, SPPR,EWFS of chiller .
Additional multi functional AUX i/p is also provided to give an extra input when required.
It has programmable parameters :

1. To select fault sensing logic as 0 or 230V.
1. To select auto/manual reset for critical faults like HP,LP.
2. To add fault sensing delay for LP,EWFS faults to avoid false fault triggering.

● **User Interface :**

Display: 3 Digit Display and 3 LEDs for indication.





Keypad: 4 keys (UP, DOWN/PRG, SET, RESET).

● **To set Parameter :** Hold 'Prg' key for 2 seconds. Display will go into programming mode and first parameter "A5" will flash.




To scroll through all parameters, use UP & DOWN keys.

To go into the desired parameter, press "SET" key when it flashes.

Sr.No.	Parameters	Description	MIN	MAX	FACT. SET
1	A5	Fault Sensing Logic. Fault sense logic of digital inputs. Use UP/DOWN keys to set desired value. 0 = Faults at 0V. 1 = Faults at 230V.	0	1	0
2	A6	LP Sensing Delay. To set LP fault sensing delay. Use UP/DOWN keys to set desired value. EXAMPLE : If this parameter is set at 40 seconds, controller will ignore LP faults for 40 seconds from compressor start up. In this manner a false alarm can be avoided due to low pressure at Compressor ON.	0sec	90sec	40sec
3	A7	HP fault reset. To set HP fault to Auto or Manual reset. Use UP/DOWN keys to set desired value. If this parameter set to 0 = It sets the HP fault for manual reset. 1 = It sets the HP fault for auto reset.	0	1	0
4	A8	LP fault reset. To set LP fault to Auto or Manual reset. Use UP/DOWN keys to set desired value. If this parameter set to 0 = It sets the LP fault for manual reset. 1 = It sets the LP fault for auto reset.	0	1	1
5	A9	EWFS DELAY AT POWER ON. To set EWFS trip sensing delay on power up. Controller will ignore EWFS faults for A9 seconds system start up.	0sec	90sec	30sec
6	A10	EWFS normal delay. To set EWFS trip sensing delay. Use UP/DOWN keys to set desired value. Flow switch alarm delayed during normal operation. If this parameter is set at 10 seconds, the system will activate the flow switch alarm only if the error persists for or more than 10 seconds. In this manner a false alarm can be avoided during normal operation.	0sec	90sec	5sec
7	A11	AUX fault select. Use UP/DOWN keys to set desired value. If this parameter set to 0 = AUX 1 = FAN OL 2 = PUMP OL	0	2	0
8	LP	Keypad Locked/Unlocked. Use UP/DOWN keys to set desired value. 0 = Use can change the values 1 = All parameter are locked to set values.	0	1	1
9	FS	Factory Reset. Use UP/DOWN keys to set desired value. When set to 1 all parameters are programmed to factory values. Useful to debug setting related problems.	0	1	0
10	EP	End Programming Once in this mode press the SET key. The controller goes into the normal mode and all settings are saved.	-	-	-

Key Introduction	
 UP Key	Used in program mode and set mode to increment parameter value.
 Down Key / Program Key	Used to enter into the program mode. Also used as Down key to decrement parameter value in program mode and set mode.
 Reset Key	This key will reset the alarm. Also press for 2 seconds to clear manual faults.
 Set Key	Used in program mode to set/save the changed value of parameter.

Error Messages :	
AU	Auxiliary fault.
LP	Low Pressure Fault.
SPP	SPPR Fault.
HP	High Pressure Fault.
EFS	Evaporator Flow switch fault.
COL	Comp O/L fault.
FOL	Fan O/L fault.
POL	Pump O/L fault.

LED Indications :	
 OK	HEALTHY CONDITION
 KEYPAD LOCK	KEYPAD LOCK
 ALARM	ALARM

Technical Data	
Housing	: Black ABS plastic, Auto-extinguish.
Front cover	: Polycarbonate plastic.
Dimensions	: Front - 75 x 34.5 mm, Depth 71 mm (w/o back lid).
Panel Cutout	: 29mm x 71mm
Mounting	: Flush panel mounting with fasteners.
Protection	: IP65 Frontal.
Connections	: Screw terminal blocks. ≤2.5 sq.mm wire terminal only
Display	: 3X14.2 mm (0.56") LED.
Data storage	: Non-volatile EEPROM memory
Power input	: 230Vac, +/-15%, 50Hz/60Hz. Others on request.
Output	: Alarm relay 2A / 250Vac

