URECON
PRE-INSULATED PIPE

PROGRAM CODES FOR USE WITH THERMISTOR TYPE TEMPERATURE SENSOR (ELK-xx-y)

Program code # for use with 2252 ohms thermistor on plastic pipe		51	52	53	54	55	56	57	58	61	62	63	64	65	66	67	68
Function	**Range**																
TS 1 control setpoint	-5 to +75 degree C	3 °C	3 °C	5 °C	5 °C	10 °C	10 °C	15 °C	15 °C	3 °C	3 °C	5 °C	5 °C	10 °C	10 °C	15 °C	15 °C
Low TS 1 alarm enabled	No or Yes	no	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no	yes
Low TS 1 alarm setpoint	-10 to +75 degree C	-	1 °C	-	3 °C	-	5 °C	-	10 °C	-	1 °C	-	3 °C	-	5 °C	-	10 °C
TS 2 enabled	No or Yes	no	no	no	no	no	no	no	no	yes	yes	yes	yes	yes	yes	yes	yes
TS 2 control setpoint	-5 to +75 degree C	-	-	-	-	-	-	-	-	3 °C	3 °C	5 °C	5 °C	10 °C	10 °C	15 °C	15 °C
Low TS 2 alarm enabled	No or Yes	-	-	-	-	-	-	-	-	no	yes	no	yes	no	yes	no	yes
Low TS 2 alarm setpoint	-10 to +75 degree C	-	-	-	-	-	-	-	-	-	1 °C	-	3 °C	-	5 °C	-	10 °C
TS 3 enabled	No or Yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
TS 3 high limit cutout	25 to 100 degree C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C	65 °C
TS1 and TS 2 deadband	1 to 5 degree C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C
TS type	100 ohms RTD or 2252 ohms Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor
Latch TS failure alarms	No or Yes	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
TS failure mode	Off or On	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on
Override input mode	Manual = 0 or Timed = 1 to 48 hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Override output state	Off or On	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on
Active override input state	Open or Closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed
Ground fault trip enabled	No or Yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Ground fault alarm current level	30 or 100mA	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Auto-cycle	No or Yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes

Program code # for use with 2252 ohms thermistor on metal pipe		71	72	73	74	75	76	77	78	81	82	83	84	85	86	87	88
Function	**Range**																
TS 1 control setpoint	-5 to +75 degree C	3 °C	3 °C	5 °C	5 °C	10 °C	10 °C	15 °C	15 °C	3 °C	3 °C	5 °C	5 °C	10 °C	10 °C	15 °C	15 °C
Low TS 1 alarm enabled	No or Yes	no	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no	yes	no	yes
Low TS 1 alarm setpoint	-10 to +75 degree C	-	1 °C	-	3 °C	-	5 °C	-	10 °C	-	1 °C	-	3 °C	-	5 °C	-	10 °C
TS 2 enabled	No or Yes	no	no	no	no	no	no	no	no	yes	yes	yes	yes	yes	yes	yes	yes
TS 2 control setpoint	-5 to +75 degree C	-	-	-	-	-	-	-	-	3 °C	3 °C	5 °C	5 °C	10 °C	10 °C	15 °C	15 °C
Low TS 2 alarm enabled	No or Yes	-	-	-	-	-	-	-	-	no	yes	no	yes	no	yes	no	yes
Low TS 2 alarm setpoint	-10 to +75 degree C	-	-	-	-	-	-	-	-	-	1 °C	-	3 °C	-	5 °C	-	10 °C
TS 3 enabled	No or Yes	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
TS 3 high limit cutout	25 to 100 degree C	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TS1 and TS 2 deadband	1 to 5 degree C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C	1 °C
TS type	100 ohms RTD or 2252 ohms Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor	Thermistor
Latch TS failure alarms	No or Yes	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no	no
TS failure mode	Off or On	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on
Override input mode	Manual = 0 or Timed = 1 to 48 hours	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Override output state	Off or On	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on	on
Active override input state	Open or Closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed	closed
Ground fault trip enabled	No or Yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes
Ground fault alarm current level	30 or 100mA	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30
Auto-cycle	No or Yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes	yes