

BHR004 USER SELECTABLE PROFILES FIRMWARE VERSION 2b

ON/OFF IS DEFINED AS THE TIME IN MINUTES WHEN THE BLOCK HEATER IS EITHER ON OR OFF AFTER SAMPLING OUTSIDE TEMPERATURE

ZONE IS DEFINED AS A TEMPERATURE WINDOW OF OPERATION.

PROFILE NUMBER IS A REFERENCE TO THE SELECTED THERMAL PROFILE. THE PROFILE NUMBER IS READ BY THE USER WITH THE PULSING RED LED

DIP SWITCH SETTINGS. 1=ON, 0=OFF

THIS DOCUMENT CAN BE FOUND ONLINE @ WWW.CONTROLLERS.ELEPRODUCTS.COM

CAUTION: ELECTRICAL SHOCK HAZARD! BHR003 MUST NOT BE PLUGGED IN WHEN OPENING CASE AND SETTING SWITCHES!

TEMP F	ZONE	0	1	2	3	4	5	6	PROFILE NUMBER
		111111	011111	101111	001111	110111	010111	100111	DIP SWITCH SETTING
		ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF MINUTES
<10	ZONE 1	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=10 & <=13	ZONE 2	100/10	105/10	110/10	115/10	120/10	125/10	130/10	
>=14 & <=17	ZONE 3	85/10	90/10	95/10	100/10	105/10	110/10	115/10	
>=18 & <=21	ZONE 4	70/10	75/10	80/10	85/10	90/10	95/10	100/10	
>=22 & <=25	ZONE 5	55/10	60/10	65/10	70/10	75/10	80/10	85/10	
>=26 & <=29	ZONE 6	40/10	45/10	50/10	55/10	60/10	65/10	70/10	
>=30 & <=33	ZONE 7	25/10	30/10	35/10	40/10	45/10	50/10	55/10	
>=34 & <=37	ZONE 8	10/10	15/10	20/10	25/10	30/10	35/10	40/10	
>=38	ZONE 9	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	

TEMP F	ZONE	7	8	9	10	11	12	13	PROFILE NUMBER
		000111	111011	011011	101011	001011	110011	010011	DIP SWITCH SETTING
		ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF MINUTES
<10	ZONE 1	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=10 & <=13	ZONE 2	100/20	105/20	110/20	115/20	120/20	125/20	130/20	
>=14 & <=17	ZONE 3	85/20	90/20	95/20	100/20	105/20	110/20	115/20	
>=18 & <=21	ZONE 4	70/20	75/20	80/20	85/20	90/20	95/20	100/20	
>=22 & <=25	ZONE 5	55/20	60/20	65/20	70/20	75/20	80/20	85/20	
>=26 & <=29	ZONE 6	40/20	45/20	50/20	55/20	60/20	65/20	70/20	
>=30 & <=33	ZONE 7	25/20	30/20	35/20	40/20	45/20	50/20	55/20	
>=34 & <=37	ZONE 8	10/20	15/20	20/20	25/20	30/20	35/20	40/20	
>=38	ZONE 9	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	

TEMP F		14	15	16	17	18	19	20	PROFILE NUMBER
		100011	000011	111101	011101	101101	001101	110101	DIP SWITCH SETTING
	ZONE	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF MINUTES
<10	ZONE 1	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=10 & <=13	ZONE 2	100/30	105/30	110/30	115/30	120/30	125/30	130/30	
>=14 & <=17	ZONE 3	85/30	90/30	95/30	100/30	105/30	110/30	115/30	
>=18 & <=21	ZONE 4	70/30	75/30	80/30	85/30	90/30	95/30	100/30	
>=22 & <=25	ZONE 5	55/30	60/30	65/30	70/30	75/30	80/30	85/30	
>=26 & <=29	ZONE 6	40/30	45/30	50/30	55/30	60/30	65/30	70/30	
>=30 & <=33	ZONE 7	25/30	30/30	35/30	40/30	45/30	50/30	55/30	
>=34 & <=37	ZONE 8	10/30	15/30	20/30	25/30	30/30	35/30	40/30	
>=38	ZONE 9	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	

TEMP F		21	22	23	24	25	26	27	PROFILE NUMBER
		010101	100101	000101	111001	011001	101001	001001	DIP SWITCH SETTING
	ZONE	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF MINUTES
<10	ZONE 1	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=10 & <=13	ZONE 2	100/40	105/40	110/40	115/40	120/40	125/40	130/40	
>=14 & <=17	ZONE 3	85/40	90/40	95/40	100/40	105/40	110/40	115/40	
>=18 & <=21	ZONE 4	70/40	75/40	80/40	85/40	90/40	95/40	100/40	
>=22 & <=25	ZONE 5	55/40	60/40	65/40	70/40	75/40	80/40	85/40	
>=26 & <=29	ZONE 6	40/40	45/40	50/40	55/40	60/40	65/40	70/40	
>=30 & <=33	ZONE 7	25/40	30/40	35/40	40/40	45/40	50/40	55/40	
>=34 & <=37	ZONE 8	10/40	15/40	20/40	25/40	30/40	35/40	40/40	
>=38	ZONE 9	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	

TEMP F		28	29	30	31	32	33	34	PROFILE NUMBER
		110001	010001	100001	000001	111110	011110	101110	DIP SWITCH SETTING
	ZONE	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF MINUTES
<10	ZONE 1	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=10 & <=13	ZONE 2	100/50	105/50	110/50	115/50	120/50	125/50	130/50	
>=14 & <=17	ZONE 3	85/50	90/50	95/50	100/50	105/50	110/50	115/50	
>=18 & <=21	ZONE 4	70/50	75/50	80/50	85/50	90/50	95/50	100/50	
>=22 & <=25	ZONE 5	55/50	60/50	65/50	70/50	75/50	80/50	85/50	
>=26 & <=29	ZONE 6	40/50	45/50	50/50	55/50	60/50	65/50	70/50	
>=30 & <=33	ZONE 7	25/50	30/50	35/50	40/50	45/50	50/50	55/50	
>=34 & <=37	ZONE 8	10/50	15/50	20/50	25/50	30/50	35/50	40/50	
>=38	ZONE 9	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	

TEMP F		35	36	37	38	39	40	41	PROFILE NUMBER
		001110	110110	101001	100110	000110	111010	011010	DIP SWITCH SETTING
	ZONE	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF	ON/OFF MINUTES
<10	ZONE 1	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=10 & <13	ZONE 2	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=14 & < 17	ZONE 3	NEVER	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=18 & < 21	ZONE 4	NEVER	NEVER	ALWAYS	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=22 & < 25	ZONE 5	NEVER	NEVER	NEVER	ALWAYS	ALWAYS	ALWAYS	ALWAYS	
>=26 & < 29	ZONE 6	NEVER	NEVER	NEVER	NEVER	ALWAYS	ALWAYS	ALWAYS	
>=30 & < 33	ZONE 7	NEVER	NEVER	NEVER	NEVER	NEVER	ALWAYS	ALWAYS	
>=34 & < 37	ZONE 8	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	ALWAYS	
>=38	ZONE 9	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	NEVER	