

# Frick Screw with Quantum Panels 3 and 4

YORK TALK 2

Microgateway / ELINK

Micro Board: Quantum

Item	Ref.	Version	Date	YORK P N	Checksum	Baud	COMMENTS
1							Versions, PN's and Checksums maintained by Frick. Contact Frick for info.
2							
3							
4							If the Quantum panel is controlling a compressor nad is not an LS Quantum, it will have ISN capabilities, however
5							Quantums that are used on ACUair, Evaporator and Condenser/Vessel packages do not accept the Microgateway pro
6							
7							The LS Quantum Panels are not compatible with the Microgateway
8							Contact Frick Technical Support for assistance
9							
10							

▽ Use ASCII page column for interfaces utilizing an ASCII XL Translator or MicroGateway to communicate to a chiller LINC

ENG PAGE REF	ASCII PAGE REF	GPIC Object Type	York Talk Point Type	PANEL Descriptive Text	York Talk Character Position	N2 Address	POINT LIST CODE: S = STANDARD O = OPTIONAL N = NOT AVAILABLE										ENG PAGE REF
							POINT LIST DESCRIPTION										
							1	2	3	4	5	6	7	8	9	10	
P03	P01		A. Control			ADF 1	Capacity Setpoint for the current Capacity Control										P03
P04	P02		A. Control			ADF 2	High Motor Amps Force Unload Setpoint										P04
P05	P03		A. Control			ADF 3	High Motor Amps Stop Load Setpoint										P05
P06	P04		A. Control			ADF 4											P06
P07	P05		D. Control			BD 1	Remote Start/Stop										P07
P08	P06		D. Control			BD 2	Start/Stop Enable 0= Enable, 1 = Disable										P08
P09	P07		D. Control			BD 3	Change Setpoints Enable , 0 = Enable; 1 = Disable										P09
P10	P08		D. Control			BD 4											P10
P11	P09		A. Monitor		8 - 11	ADF 5	Suction Temperature										P11
P12	P10		A. Monitor		12 - 15	ADF 6	Discharge Temperature										P12
P13	P11		A. Monitor		16 - 19	ADF 7	Oil Temperature										P13
P14	P12		A. Monitor		20 - 23	ADF 8	Oil Seperator Temperature										P14
P15	P13		A. Monitor		24 - 27	ADF 9	Leaving Process Temperature										P15
P16	P14		A. Monitor		28 - 31	ADF 10	Oil Pressure										P16
P17	P15		A. Monitor		32 - 35	ADF 11	Filter Differential Pressure										P17
P18	P16		A. Monitor		36 - 39	ADF 12	Discharge Pressure										P18
P19	P17		A. Monitor		40 - 43	ADF 13	Suction Pressure										P19
P20	P18		A. Monitor		44 - 47	ADF 14	Balance Piston Pressure										P20
P21	P19		A. Monitor		48 - 51	ADF 15	System Discharge Pressure										P21
P22	P20		A. Monitor		52 - 55	ADF 16											P22
P23	P21		A. Monitor		56 - 59	ADF 17											P23
P24	P22		A. Monitor		60 - 63	ADF 18											P24
P25	P23		A. Monitor		64 - 67	ADF 19											P25
P26	P24		A. Monitor		68 - 71	ADF 20											P26
P27	P25		A. Monitor		72 - 75	ADF 21											P27
P28	P26		A. Monitor		76 - 79	ADF 22											P28
P29	P27		A. Monitor		80 - 83	ADF 23											P29
P30	P28		A. Monitor		84 - 87	ADF 24											P30
P31	P29		A. Monitor		88 - 91	ADF 25											P31
P32	P30		A. Monitor		92 - 95	ADF 26											P32
P33	P31		A. Monitor		96 - 99	ADF 27											P33
P34	P32		A. Monitor		100 - 103	ADF 28											P34
P35	P33		A. Monitor		104 - 107	ADF 29											P35
P36	P34		D. Monitor		108	BD 5											P36
P37	P35		D. Monitor		109	BD 6											P37
P38	P36		D. Monitor		110	BD 7											P38
P39	P37		D. Monitor		111	BD 8											P39
P40	P38		D. Monitor		112	BD 9											P40
P41	P39		D. Monitor		113	BD 10											P41
P42	P40		D. Monitor		114	BD 11											P42





/SHUTDOWNS MESSAGE CODES						
0000	No Alarm	0056	Digital Board 1 Comm. Fail - Shutdown	0112	High Entering Process Temp. Alarm	
0001	Compressor Starting Failure - Aux.	0057	Compressor Unable to Unload Alarm	0113	Low Entering Process Temp. Alarm	
0002	Compressor Aux. Failure	0058	Compressor Stopping Failure - Motor Amps	0114	Low Entering Process Temp. Shutdown	
0003	Compressor Starting Failure - Low Motor Amps	0059	Compressor Stopping Failure - Aux.	0115	Digital Board 2 Comm. Fail - Shutdown	
0004	Compressor Interlock Failure	0060	False Start Failure - Motor Amps	0116	Digital Board 3 Comm. Fail - Shutdown	
0005	Oil Pump Aux Failure	0061	False Start Failure - Aux.	0117	Digital Board 4 Comm. Fail - Shutdown	
0006	Unused	0062	Oil Level Shutdown	0118	Analog Board 1 Comm. Fail - Shutdown	
0007	Low Suction Pressure Alarm	0063	Auxiliary #3 Shutdown	0119	Analog Board 2 Comm. Fail - Shutdown	
0008	Low Suction Pressure Shutdown	0064	Auxiliary #3 Alarm	0120	Analog Board 3 Comm. Fail - Shutdown	
0009	High Discharge Pressure Alarm	0065	Auxiliary #4 Shutdown	0121	Analog Board 4 Comm. Fail - Shutdown	
0010	High Discharge Pressure Shutdown	0066	Auxiliary #4 Alarm	0122	High Economizer Shutdown	
0011	Unused	0067	Auxiliary #5 Shutdown	0123	High Economizer Alarm	
0012	Unused	0068	Auxiliary #5 Alarm	0124	Low Economizer Alarm	
0013	High Discharge Temperature Alarm	0069	Auxiliary #6 Shutdown	0125	Low Economizer Shutdown	
0014	High Discharge Temperature Shutdown	0070	Auxiliary #6 Alarm	0126	Balance Piston Failure Shutdown	
0015	Unused	0071	Auxiliary #7 Shutdown	0127	Oil Log Shutdown	
0016	Unused	0072	Auxiliary #7 Alarm	0128	Motor Starter Comm. Fail - Shutdown	
0017	Unused	0073	Auxiliary #8 Shutdown	0129	DBS Trip	
0018	Unused	0074	Auxiliary #8 Alarm	0130	DBS Alarm	
0019	Unused	0075	High Auxiliary Analog #1 Shutdown	0131	Missing Oil Pressure Shutdown	
0020	Oil Pump #1 Aux. Alarm	0076	High Auxiliary Analog #1 Alarm	0132	Missing Oil Pressure Alarm	
0021	Oil Pump #1 Aux. Failure Shutdown	0077	Low Auxiliary Analog #1 Alarm	0133	Insufficient Main Oil Pressure Shutdown	
0022	Oil Pump #2 Aux. Alarm	0078	Low Auxiliary Analog #1 Shutdown	0134	Compressor Interlock Shutdown	
0023	Oil Pump #2 Aux. Failure Shutdown	0079	High Auxiliary Analog #2 Shutdown	0135	High Starting Discharge Pressure - Shutdown	
0024	High Oil Filter Pressure Alarm	0080	High Auxiliary Analog #2 Alarm			
0025	High Oil Filter Pressure Shutdown	0081	Low Auxiliary Analog #2 Alarm			
0026	High Oil Temperature Alarm	0082	Low Auxiliary Analog #2 Shutdown			
0027	High Oil Temperature Shutdown	0083	High Auxiliary Analog #3 Shutdown			
0028	Low Oil Temperature Alarm	0084	High Auxiliary Analog #3 Alarm			
0029	Low Oil Temperature Shutdown	0085	Low Auxiliary Analog #3 Alarm			
0030	Low Oil Separator Temperature Alarm	0086	Low Auxiliary Analog #3 Shutdown			
0031	Low Process Temperature Alarm	0087	High Auxiliary Analog #4 Shutdown			
0032	Low Process Temperature Shutdown	0088	High Auxiliary Analog #4 Alarm			
0033	Unused	0089	Low Auxiliary Analog #4 Alarm			
0034	High Motor Current Alarm	0090	Low Auxiliary Analog #4 Shutdown			
0035	High Motor Current Shutdown	0091	High Auxiliary Analog #5 Shutdown			
0036	High Liquid Level Shutdown	0092	High Auxiliary Analog #5 Alarm			
0037	Check Valve Open Failure	0093	Low Auxiliary Analog #5 Alarm			
0038	Hi Suction Pressure Alarm	0094	Low Auxiliary Analog #5 Shutdown			
0039	Hi Suction Pressure Shutdown	0095	High Auxiliary Analog #6 Shutdown			
0040	Auxiliary #1 Shutdown	0096	High Auxiliary Analog #6 Alarm			
0041	Low Oil Pressure Shutdown	0097	Low Auxiliary Analog #6 Alarm			
0042	Low Oil Pressure Alarm	0098	Low Auxiliary Analog #6 Shutdown			
0043	Auxiliary #1 Alarm	0099	High Auxiliary Analog #7 Shutdown			
0044	Auxiliary #2 Shutdown	0100	High Auxiliary Analog #7 Alarm			
0045	Auxiliary #2 Alarm	0101	Low Auxiliary Analog #7 Alarm			
0046	Suction Pressure Sensor Fault	0102	Low Auxiliary Analog #7 Shutdown			
0047	Discharge Pressure Sensor Fault	0103	High Auxiliary Analog #8 Shutdown			
0048	Oil Pressure Sensor Fault	0104	High Auxiliary Analog #8 Alarm			
0049	Discharge Temperature Sensor Fault	0105	Low Auxiliary Analog #8 Alarm			
0050	Oil Temperature Sensor Fault	0106	Low Auxiliary Analog #8 Shutdown			
0051	Separator Temperature Sensor Fault	0107	High Auxiliary Analog #9 Shutdown			
0052	Unused	0108	High Auxiliary Analog #9 Alarm			
0053	Unused	0109	Low Auxiliary Analog #9 Alarm			
0054	Low Motor Current Shutdown	0110	Low Auxiliary Analog #9 Shutdown			
0055	Low Oil Separator Temperature Shutdown	0111	High Entering Process Temp. Shutdown			