APPENDICES

A Elevator PLC IO

A.1 Pendant Buttons & Pendant Button Lamps

Symbol Name	Type	Address	Description
BUTTON_5	DIN	2.00	Pendant level 5 button.
BUTTON_4	DIN	2.01	Pendant level 4 button.
BUTTON_3	DIN	2.02	Pendant level 3 button.
BUTTON_2	DIN	2.03	Pendant level 2 button.
BUTTON_1	DIN	2.04	Pendant level 1 button.
BUTTON_OPEN	DIN	2.05	Pendant door open button.
BUTTON_SHUT	DIN	2.06	Pendant door close button.
BUTTON_5_LAMP	DOUT	103.00	Pendant level 5 button lamp.
BUTTON_4_LAMP	DOUT	103.01	Pendant level 4 button lamp.
BUTTON_3_LAMP	DOUT	103.02	Pendant level 3 button lamp.
BUTTON_2_LAMP	DOUT	103.03	Pendant level 2 button lamp.
BUTTON_1_LAMP	DOUT	103.04	Pendant level 1 button lamp.
BUTTON_OPEN_LAMP	DOUT	103.05	Pendant door open button lamp.
BUTTON_SHUT_LAMP	DOUT	103.06	Pendant door close button lamp.

A.2 Door & Carriage Control Signals

Symbol Name	Type	Address	Description
DOOR_OPEN	DOUT	100.00	Door open motor command.
DOOR_SHUT	DOUT	100.01	Door close motor command.
LIMIT_OPEN	DIN	0.01	Door open limit switch.
LIMIT_SHUT	DIN	0.00	Door close limit switch.
WINCH_MOTOR	AOUT	210	Winch motor command.
ENCODER_A	DIN	0.08	Winch motor encoder A phase.
ENCODER_B	DIN	0.09	Winch motor encoder B phase.
ENCODER_INDEX	DIN	0.03	Winch motor encoder index signal (Z phase).
LIMIT_UPPER	DIN	0.02	Upper limit switch.
LIMIT_5	DIN	0.04	Level 5 limit switch.
LIMIT_4	DIN	0.05	Level 4 limit switch.
LIMIT_3	DIN	0.06	Level 3 limit switch.
LIMIT_2	DIN	0.07	Level 2 limit switch.
LIMIT_1	DIN	0.10	Level 1 limit switch.
LIMIT_LOWER	DIN	0.11	Lower limit switch.

A.3   Call Buttons & Call Button Lamps

Symbol Name	Type	Address	Description
BUTTON_5_DOWN	DIN	1.00	Level 5 down call button.
BUTTON_4_UP	DIN	1.01	Level 4 up call button.
BUTTON_4_DOWN	DIN	1.02	Level 4 down call button.
BUTTON_3_UP	DIN	1.03	Level 3 up call button.
BUTTON_3_DOWN	DIN	1.04	Level 3 down call button.
BUTTON_2_UP	DIN	1.05	Level 2 up call button.
BUTTON_2_DOWN	DIN	1.06	Level 2 down call button.
BUTTON_1_UP	DIN	1.07	Level 1 up call button.
BUTTON_5_DOWN_LAMP	DOUT	102.00	Level 5 down call button lamp.
BUTTON_4_UP_LAMP	DOUT	102.01	Level 4 up call button lamp.
BUTTON_4_DOWN_LAMP	DOUT	102.02	Level 4 down call button lamp.
BUTTON_3_UP_LAMP	DOUT	102.03	Level 3 up call button lamp.
BUTTON_3_DOWN_LAMP	DOUT	102.04	Level 3 down call button lamp.
BUTTON_2_UP_LAMP	DOUT	102.05	Level 2 up call button lamp.
BUTTON_2_DOWN_LAMP	DOUT	102.06	Level 2 down call button lamp.
BUTTON_1_UP_LAMP	DOUT	102.07	Level 1 up call button lamp.
INDICATOR_5_DOWN_LAMP	DOUT	101.00	Level 5 down indicator lamp.
INDICATOR_4_UP_LAMP	DOUT	101.01	Level 4 up indicator lamp.
INDICATOR_4_DOWN_LAMP	DOUT	101.02	Level 4 down indicator lamp.
INDICATOR_3_UP_LAMP	DOUT	101.03	Level 3 up indicator lamp.
INDICATOR_3_DOWN_LAMP	DOUT	101.04	Level 3 down indicator lamp.
INDICATOR_2_UP_LAMP	DOUT	101.05	Level 2 up indicator lamp.
INDICATOR_2_DOWN_LAMP	DOUT	101.06	Level 2 down indicator lamp.
INDICATOR_1_UP_LAMP	DOUT	101.07	Level 1 up indicator lamp.

A.4   System Control Signals & Diagnostics

Symbol Name	Type	Address	Description
SYSTEM_ENABLE	DOUT	100.02	System enable line.
FAULT_LAMP	DIN	1.08	System fault.
GREEN_PILOT_LAMP	DOUT	100.03	Green lamp on PLC stand.
RED_PILOT_LAMP	DOUT	100.04	Red lamp on PLC stand.
TOP_BUTTON_LAMP	DOUT	100.06	Top button lamp on PLC stand.
BOTTOM_BUTTON_LAMP	DOUT	100.05	Bottom button lamp on PLC stand.
TOP_BUTTON	DIN	1.09	Top button on PLC stand.
BOTTOM_BUTTON	DIN	1.10	Bottom button on PLC stand.