

LCLS Magnet PLC Protection System

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Software

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Software		
Description	CVS Reference Directory	CVS Repository Directory
PLC Ladder Logic & PanelView	/afs/slac/g/lcls/plc/Magnet	plc/Magnet
EPICS EtherIp Spport	/afs/slac/g/lcls/epics/site/src/etherIp	epics/site/src/etherIp
_ Note: To instructions on how to copy the latest PLC software click here . —		

Evaluation Hardware					
Manuf	Model	Ethernet	Touch Panel	EPICS	Comment
Beckhoff	BK9000	Yes	Yes	No	Inexpensive
IDEC SmartRelay's	FLIC-HR12RCE	Yes	No	Yes	Very inexpensive and small
Allen-Bradley	ControlLogix Controller 1756-l61	Yes	Yes	Yes	Replaced Smart Relay

Production Hw IO Instrumentation	
Manuf: Allen-Bradley	
Model	Description
1756-OB16I/A	DC (10-30V) Isolated Output Module
1756-IB16I/A	DC (10-30V) Isolated Input Module
1756-L61	ControlLogix Controller
1756-ENBT/A	EtherNet/IP Module
1756-PA72/C	Power Supplies
1756-A7/B	Chassis-B
1756-IF6I	Isolated Analog Input Module
1756-OF6VI	Isolated Analog Output Module
2711-T6C16L1	PanelView 600 Display

Production Software			
Model	Version	Description	
Allen-Bradley	9324-RLD700NXENE	V13.04.00	RSLogix 5000 Professional Software
PanelBuilder32	V3.82 build 413	PanelView Professional Software	

Drawings	
Drawing Number	Description
WI-380-xxx-xx	EtherNet/IP to Switch Cable
WI-380-xxx-xx	PanelView to ControlLogic DF1 Serial Port Cable

WI-380-xxx-xx	PalenView to Terminal Server Serial Port Cable
EI-380-xxx-xxx	LCLS Sector 20 Electrical Power Supplies Rack Profile
EI-380-xxx-xx	Sector 20 MCOR PLC Crate Profile