

TECHNICAL BULLETIN OBSTRUCTION LIGHTING

Technical Support 1.800.821.5825 Option 9 aton.support.obstruction@spx.com

Product:	FTC 370 LCM
Brand(s):	Flash Technology
Effective Date:	May 31, 2023
Part Affected:	F1371500 FTC 370 LCM
	F1371510 FTC 370A LCM
Issued By:	Ivor Lewis, Product Manager – Obstruction Lighting

Flash Technology programs the LCM according to customer direction before the product ships. Occasionally there is a need to program the IP address in the field. Instructions to do so are detailed below:

- 1. Power up the FTC 370 unit and wait for the "Ready LED" on the MOXA 1213 to blink periodically or after power up (~ 30 seconds).
- 2. Connect the CAT5 cable to MOXA-1213 Ethernet port inside FTC 370.
 - a. If user can configure static IP address settings on the host computer then a straight cable can be used.
- 3. Set the computer IP address in the same subnet of the FTC 270 configured. For example, to access default IP address (192.168.127.254) on the Moxa unit, configure the computer IP address 192.168.127.100 and mask 255.255.255.0.
- 4. Access the webpage by using the IP address provided or the factory default IP address 192.168.127.254 on the browser.
- 5. If unable to access the webpage then a factory default reset is needed.
 - a. Use a paper clip to press and hold the 'Reset' button (located on the left side of the MOXA 1213) for 20 sec.
- 6. Ethernet Configuration can me modified by accessing the webpage as shown below:

	Ethernet Configuration	
	Ethernet Parameters	
Main Menu - E1213	IP Configuration	Static 🗸
Overview	IP Address	192.168.127.254
- Network Settings General Settings	Subnet Mask	255.255.255.0
Ethernet Configuration	Gateway	0.0.0.0
- User-defined Modbus Addressing		
- AOPC Server Settings	Submit	
- I/O Settings		

7. When prompted follow the instructions to 'Save' and 'Restart'.

Configuration Complete	
WARNING: The changes will not take effect until you Save/Restart the I/O Server.	
You can Save/Restart I/O Server now or Save/Restart I/O Server when all settings complete.	Save/Restart Now
Back Save/Restart Home	Back Home

Check the IP address. If it has changed, make sure to use the new IP address for access once the Save/Restart operation is completed.

8. For DETECT Radars:

a. Update or verify General settings as shown in the screen shot below:

	General Settings		
	I/O Server Settings		
- Main Menu - E1213	Server Name		
- Network Settings	Server Location		
General Settings	Enable Server Socket Idle Connection Timeout Interval	2	sec (1-65535, default = 60, disable = 0)
Ethernet Configuration	C Enable communication watchdog	20	(10-65535, default = 0, disable = 0, Unit: 50 m
- User-defined Modbus Addressing	Modbus/TCP Ethernet/IP		
- AOPC Server Settings	Auto clear alarm for Safe Mode		
- UO Settings		ClearAlarm	Host Connection Lost Alarmed !
- Peer to Peer Settings	Locate I/O Server	Enable I/O L	ocate
- SNMP Settings			
- RESTful Settings - EtherNet/IP Settings	Submit		

b. When prompted follow the instructions to 'Save' and 'Restart'..

Co	nfiguration Con	nplete		
WARNING: The changes will n	ot take effect until	you Save/Res	tart the I/O Server.	
You can Save/Restart I/O Server no	w or Save/Restart	I/O Server wi	nen all settings complete.	Save/Restart Now
Bac	Save/Restart	Home		Back Home

Check the IP address to ensure the new IP address is being used to access once the Save/Restart operation is completed.

c. Navigate to I/O settings page and set the DI and DO settings as follows:

Welcome to ioLogik Series				
Ethernet I/O Server				
Model Name	E1213			
Serial Number	TBZLB	1101612		
Firmware Version	V3.2.2	Build21032212		
Ethernet MAC Address	00-90-	e8-92-58-60		
Ethernet IP Address	192.10	8.127.254		
Peer to Peer	Disable			
Active OPC	Disable			
SNMP Agent	Enable			
DO(DO00-DO03) Power Source	Field P	ower		
DO(D004-D007) Power Source	Field P	ower (Fixed)		
I/O Status				
DI Channel	Mode	Status	Filter	Counter Trigger
LIGHT ALARM	DI	ON	100.0 ms	
DI-01	DI	OFF	100.0 ms	
DI-02	DI	OFF	100.0 ms	
DI-03	DI	OFF	100.0 ms	
DI-04	DI	OFF	100.0 ms	
DI-05	DI	OFF	100.0 ms	-
DI-06	DI	OFF	100.0 ms	1441
DI-07	DI	OFF	100.0 ms	
DO Channel	Mode	Status	ON Width	OFF Width
LIGHT ON/OFF	DO	ON		
DO-01	DO	OFF		
DO-02	DO	OFF		144
DO-03	DO	OFF		

9. For TERMA Radars:

a. Update or verify the following settings

	General Settings	
	I/O Server Settings	
- Main Menu - E1213	Server Name	
Overview	Server Location	
- Network Settings	Enable Server Socket Idle Connection Timeout Interval	60 sec (1-65535, default = 60, disable = 0)
Ethornot Configuration	Enable communication watchdog	15 (10-65535, default = 0, disable = 0, Unit: 50 ms)
- User-defined Modbus Addressing	Modbus/TCP O Ethernet/IP	
- AOPC Server Settings	Auto clear alarm for Safe Mode	
- I/O Settings		ClearAlarm Host Connection Lost Alarmed !
- Peer to Peer Settings	Locate I/O Server	Enable I/O Locate
- SNMP Settings		
- RESTful Settings	Submit	

Please contact our Technical Support team if you have any issues.

They are available Monday – Friday, 8 am – 6 pm, US Central Time.

Call 800-821-5825, 3, 1 (Support/Obstruction)