

# MULTI-UNIT REMOTE CONTROLLER

# MURC

BY MOSEBACH MANUFACTURING

ISO 9001:2015 Registered



Mosebach's Multi-Unit Remote Controller Software is designed to help manage a single load bank or multiple load banks as one.

The Software comes preloaded on a Microsoft Surface with a ruggedized case. The hardware consists of an I/O card that is installed in each load bank.

The MURC is designed to help manage a group load banks to get the full load that is needed at the testing site. You can combine 12 kW, 100 kW, 400 kW, and 1500kW Load banks, to get the load and resolution that is needed for the test.

The load banks can be grouped in groups as well. Each lot can be individually controlled from the same Microsoft Surface to simulate varying power requirements. It's easy to control each group on its own, running a separate test regimen from the other groups.

The MURC gives you the ability to control each load bank individually, in groups that you select, or as an entire assembly – as if they were one load bank.

The MURC can help you manage up to 500 load banks, which requires a lot of bandwidth! The controller software was also designed for the data center market, where you might have hundreds of, say, 12 or 18 kW load banks scattered through several server aisles.

The MURC even allows you to change the fan speed and therefore the delta T of each load bank. You will be able to change the operating parameters of the entire group, spread across acres, on a dime. Your labor savings will be considerable, as well as your testing capabilities.



  
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# specifications: MURC

## Set-Up

The field set-up is very simple: connect the load banks in a daisy-chain, using Ethernet cables, to the router and then to the Microsoft Surface.

The MURC will know when load banks are added or taken from the chain and assign ID tags. Each load bank will report its capabilities via its I/O card. Then you tell the MURC how to control the units using the Microsoft Surface touchscreen. Within minutes, you will be up and running.

## Ease-of-Use

Mosebach's software allows you to control each load bank individually, in multiple groups, or as one complete load bank. You can set the combined load bank test regimen, and then tweak groups or units on their own.

You then hit "Apply Load" and the units will turn on as you wish. The load will show on the screen and you can see the assembly's total load, group loads and individual loads by the touch of a button. The remote controller can vary the delta T or RPM of each fan for data center commissioning.

The test session is recorded, graphed and available on the Microsoft Surface. You will be able to present the results to your customer within minutes of finishing the testing.

Please give us a call and we'll be happy to assist you in getting your testing done faster, with fewer people and with fewer headaches.



Model	Serial Num	IP
XS750	6	192.168.128.7



	Voltage	Power (kW)	Line Current
Step 1	480	7	8.42
Step 2	480	13	15.64
Step 3	480	13	15.64
Step 4	480	33	39.69
Step 5	480	67	80.59
Step 6	480	67	80.59
Step 7	480	200	240.57
Step 8	480	265	318.75

Alarm Status

Over Temp Fault

Voltage Fault

Air Flow Fault

### Load Step

- 7 kW
- 13 kW
- 13 kW
- 33 kW
- 67 kW
- 67 kW
- 200 kW
- 265 kW

Parameter	Nominal	Meter Feedback
AB Voltage	480	476.31
BC Voltage	480	469.91
CA Voltage	480	479.00
Average Voltage	480	475.07
A Current	0.00	0.00
B Current	0.00	0.00
C Current	0.00	0.00
Average Current	0.00	0.00
Power (kW)	0	0.00
Frequency	60	60.00
Power Factor	1	1.00

Disable Remote Mode

Enable Blowers

Apply Load

Select All Load

De-Select All Load

Details

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