








TCI Caller ID Module v3 Module Application Guide

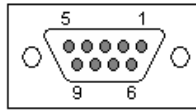
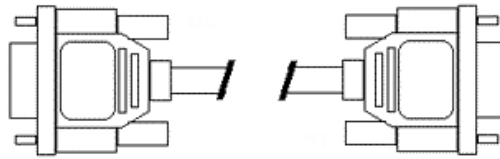
Description

This module allows a Crestron Processor to collect and display the current caller ID data from a [TCI MLX series caller ID unit](#). Note that in addition to the MLX-41 or MLX-82 you will also need to have caller ID with name and number available from the central office. If for instance you use the MLX-41 in conjunction with the module you will be able to gather caller ID information from 4 CO lines. When a call is received the MLX will send the caller ID data to the module to be parsed. The module provides an output for doing page flips or sub-page pop-ups. The module also has a message waiting light output if that service is also available from the central office. The module will allow you to scroll through the last 25 calls logged. After the call data is parsed the module presents you with 5 serial strings for:

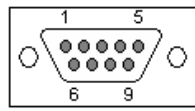
- The caller's name
- The caller's number
- Date and time of the call
- The line number of the call
- The long distance info of the call (not supported in most areas)

Compatibility			Processor Requirements	
 2-Series Compatible	 CNMSX Compatible	 NOT System Builder Compatible	 Ethernet NOT NEEDED	 Compact Flash NOT NEEDED

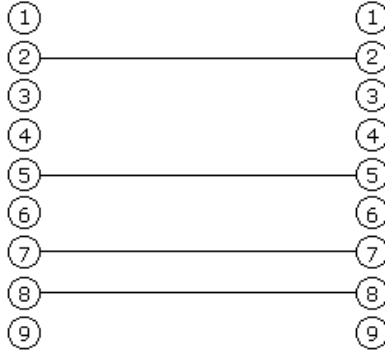
Serial Cable Pinout



DB9 FEMALE
CRESTRON



DB9 MALE
MLX-41 MLX-82



SERIAL SETTINGS	
COMM STD	RS232
BAUD RATE	9600
DATA BITS	8
STOP BITS	1
PARITY	NONE
HW HANDSHAKING	CTS / RTS
SW HANDSHAKING	NONE

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Signal and Parameter Descriptions

Bracketed signals such as "[signal_name]" are optional signals

DIGITAL INPUTS

next_call displays the next call in the log
prev_call displays the previous call in the log
del_call deletes the current call in the display
del_all deletes all the calls in the display

ANALOG INPUTS

This module does not utilize any analog inputs

SERIAL INPUTS

caller_id_rx\$ tie to com port rx side

DIGITAL OUTPUTS

page_flip goes high when caller ID data is received
msg_waiting goes high when a message waiting signal is received
from the central office switch

ANALOG OUTPUTS

This module does not utilize any analog outputs.

SERIAL OUTPUTS

name\$ callers name
number\$ callers number
date_time\$ date and time of the call
line\$ the line number that the call came in on
ld\$ call long distance info (not supported in all areas)

PARAMETERS

This module does not utilize any parameters.

Support

This module is supported by ControlWorks Consulting, LLC. Should you need support for this module please email support@controlworks.com or call us at 440-449-1100. ControlWorks normal office hours are 9 AM to 5 PM Eastern, Monday through Friday, excluding holidays.

Before calling for support, please ensure that you have loaded and tested operation using the included demonstration program and touchpanel(s) to ensure that you understand the correct operation of the module. It may be difficult for ControlWorks to provide support until the demonstration program is loaded.

Updates, when available, are automatically distributed via Email notification to the address entered when the module was purchased. In addition, updates may be obtained using your username and password at <http://www.thecontrolworks.com/customerlogin.aspx>.

Distribution Package Contents

The distribution package for this module should include:

TCI Caller ID Module Help.pdf..... this help file
TCI Caller ID Module Rev3.umc.....Crestron user module to insert in program
TCI Caller ID Demo Demo.smw..... example program (PRO2)
TCI Caller ID Demo TPS2000. vtp... example touchpanel file (TPS-2000)

ControlWorks Consulting, LLC Module License Agreement

Definitions:

ControlWorks, *We*, and *Us* refer to ControlWorks Consulting, LLC, with headquarters located at 701 Beta Drive, Suite 22 Mayfield Village, Ohio 44143-2330. *You* and *Dealer* refer to the entity purchasing the module. *Client* and *End User* refer to the person or entity for whom the Crestron hardware is being installed and/or will utilize the installed system. *System* refers to all components described herein as well as other components, services, or utilities required to achieve the functionality described herein. *Module* refers to files required to implement the functionality provided by the module and may include source files with extensions such as UMC, USP, SMW and VTP. *Demo Program* refers to a group of files used to demonstrate the capabilities of the Module, for example a SIMPL Windows program and VisionTools Touchpanel file(s) illustrating the use of the Module but not including the Module. *Software* refers to the Module and the Demo Program.

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Provision of Support

We provide limited levels of technical support only for the most recent version of the Module as determined by Us. We do not provide support for previous version of the module, modifications to the module not made by Us, to persons who have not purchased the module from Us. In addition, we may decline to provide support if the Demo Program has not been utilized. We may withdraw a module from sale and discontinue providing support at any time and for any reason, including, for example, if the equipment for which the Module is written is discontinued or substantially modified. The remainder of your rights and obligations pursuant to this license will not be affected should ControlWorks discontinue support for a module.

Modification of Software

You may not decrypt (if encrypted), reverse engineer, modify, translate, disassemble, or de-compile the Module in whole or part. You may modify the Demo Program. In no event will ControlWorks Consulting, LLC be liable for direct, indirect, incidental or consequential damages resulting from You modifying the Software in any manner.

Indemnification/Hold Harmless

ControlWorks, in its sole and absolute discretion may refuse to provide support for the application of the Module in such a manner that We feel has the potential for property damage, or physical injury to any person. Dealer shall indemnify and hold harmless ControlWorks Consulting LLC, its employees, agents, and owners from any and all liability, including direct, indirect, and consequential damages, including but not limited to personal injury, property damage, or lost profits which may result from the operation of a program containing a ControlWorks Consulting, LLC Module or any component thereof.

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