WTI-3101
Dialog Telephone Interface

User Manual

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Introduction

WTI-3101 Dialog Telephone Interface

The WTI-3101 Telephone Interface allows access to a Dialog lighting control network from a standard touch tone phone. The WTI-3101 is mounted in a relay panel connected to 24VAC and the Dialog Dataline. The telephone connects to the modem jack. The user dials into the WTI-3101 line and using simple key commands, can monitor the status of any of the relay groups within the network or turn them ON or OFF from the telephone.

ILLUSTRATION OF DEVICE AND CONNECTIONS WITH DIMENSIONS TO BE PROVIDED

Specifications

Power:

24VAC, 100mA

Data Signal:

Dialog, wiring is 18AWG, unshielded cable, solid conductor.
Connectors are polarity insensitive.
Data signal wiring to and from the panel must be included in the overall network data signal line length calculations.

Telephone:

Dedicated telephone line from a touch-tone phone to the phone jack on the interface.

Environment:

Indoors, stationary, non-vibrating, non-corrosive atmosphere and non-condensing humidity.
Ambient operation temperature: 5°F to 120°F (-15°C to 50°C)
Storage Temperature: -15°F to 131°F (-25° to 55°C)

Operation

The WTI-3101 is accessed by dialing the telephone number provided by the System Administrator. Dialing must be paced and deliberate. Upon connection, a password, entered with the telephone keypad, may be required. Each telephone command, entered with the telephone keypad, consists of the function code (ON, OFF or query status), group number (or individual relay number) and the initiation code ('#').

Voice prompts are provided by the system.

Telephone Keypad Commands

Entering Command Using the Telephone Keypad:

Enter commands by pressing on the number keys on the telephone keypad. Wait until the voice prompt is completed before starting, and then press the keys slowly and deliberately. When your command is accepted, you will hear a voice prompt confirmation or response. Below is a table that lists the telephone commands that you can use with the WTI-3101.

Available Voice Prompts (English, French, Spanish)

Command	Procedure
Enter Password	1. (Voice prompt says "enter your password...") 2. Enter digits of password, then '#'. For example, if password is 1234, enter '1', '2', '3', '4', '#'. 3. (Voice prompt says "password accepted")
Enter New Password	1. Press '9', then '#'. 2. (Voice prompt says "enter your password...") 3. Enter digits (4 to 6) of password, then '#'. For example, if password is 1234, enter '1', '2', '3', '4', '#'. 4. (Voice prompt says "re-enter password...") 5. Enter digits of password, then '#'. 6. (Voice prompt says "password accepted")
Activate or Get Status of a Group	1. Go to Group Menu (default when DIP Switch #3 is ON, or toggle from Individual Relay Menu). 2. (Voice prompt says "welcome to the Group Menu...") 3. Enter '3' (if group to be turned OFF) or '6' (if group to be turned ON) or '7' (to query group's status) or '8' (to turn group ON with a Egress Timer & prevent actions by other devices) 4. Enter digits of group number, which can be 1-128 (example: for group #23, enter '2', '3'). 5. Enter '#'. 6. (Voice prompt says "Group is ON" or "Group is OFF", as appropriate) 7. If in Single Command Mode, it will disconnect after the first command. 8. If in Multiple Command Mode, Repeat steps 3-6 to activate other groups.
Activate an Individual Relay	1. Go to Individual Relay Menu (default when DIP Switch #3 is OFF, or toggle from Group Menu).

	2. (Voice prompt says "welcome to the Individual Relay Menu...") 3. Enter the action: '3' (to turn OFF relay) or '6' (if relay to be turned ON) or '8' (to turn relay ON with Egress Timer & prevent actions by other devices). 4. Enter 1-2 digits of driver number, which can be 1 to 64 (example: for panel #20, enter '2', '0'). 5. Enter 1 digit of relay number, which can be 1 to 4 (examples: for relay #4, enter '4'. 6. Enter '#'. 7. If in Single Command Mode, it will disconnect after the first command. 8. If in Multiple Command Mode, Repeat steps 3-6 to activate other groups.
Activate a GLOBAL PRESET	1. Go to Group Menu (default when DIP Switch #3 is ON, or toggle from Individual Relay Menu). 2. (Voice prompt says "welcome to the Group Menu...") 3. Enter '3' (if group to be turned OFF) or '6' (if group to be turned ON) or '7' (to query group's status) or '8' (to turn group ON with a Egress Timer & prevent actions by other devices) 4. Add 200 to the global preset you wish to activate. For instance, for global preset GP001, press '201'; for global preset GP512, press '712'. 5. Enter '#'. 6. (Voice prompt says "Group is ON" or "Group is OFF", as appropriate) 7. If in Single Command Mode, it will disconnect after the first command. 8. If in Multiple Command Mode, Repeat steps 3-6 to activate other groups.
Toggle between Group Menu and Individual Relay Menu	1. Press '4', then '#'. 2. (Voice prompt says "welcome to the (other) Menu.")
Disconnect	1. Hang up.

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DIP Switches

SEE PAGE 9 OF EXISITING FOR DIAGRAM

DIP switches are located at the bottom of the WTI-3101 unit. Each switch can be set to the ON or OFF position. Switch settings can be changed at any time, although the unit may have to be restarted before changes take effect.

DIP	Option	OFF	ON (Default)
1	Command Mode	Single	Multiple
2	Password	Do Not Require Password	Require Password
3	Default Menu	Individual	Groups/Global Presets
4	Unused	-	-
5	Unused		
6	Language (MSB)	**Binary** 11 = Default, English 10 = Spanish 01 = French 00 = English	
7	Language (LSB)		

LED Indicators

Description	Indication
Status	Blinking = OK, Solid OFF/ON = Trouble
Ring	Incoming call
On Hook	Modem is active

Troubleshooting

General Guidelines:

1. Make sure that 24V power exists in the panels (always measure between 22VAC and 30 VAC)
2. Make sure that the data signal is connected to terminals of the WTI-3101
3. Make sure the WTI-3101 is securely connected to the Dialog network and to the transformer.
4. Make sure all relay groups are programmed correctly
5. Make sure you are in the correct menu for your control scheme.

Notes:

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