Product Specifications

MULTISET/MULTISET PRO - MS232 INTERFACE

Front



AN INTERFACE USING STANDARD ASCII COMMANDS IN CONJUNCTION WITH LIGHTOLIER CONTROLS MULTISET SYSTEMS

Project:		
Location/Type:		

Description

The MultiSet/MultiSet Pro - MS232 Interface provides interconnection between a MultiSet/MultiSet Pro System and equipment that utilizes standard ASCII commands and can connect via RS-232 or RS-485.

The system is comprised of two components - the interface outlet and the MS232 interface box. One interface is required per MultiSet System.

Features

- One RS-232 (9-pin serial, female DB-9) terminal per interface
- One RS-485 5-pin terminal strip per interface, permitting connection with up to 31 MS232 interface devices
- 8-position dip switch allows for individual identification of up to 31 MultiSet/MultiSet Pro Systems
- Easy to read LED status lights with test switches, including ON, A, B, C, D, and OFF
- Interface provides ASCII input capabilities, as well as feedback status from controlling equipment
- · Interface box mounts easily to wall with mounting bracket provided
- Single gang 4-pin receptacle is provided that interconnects the MultiSet/MultiSet Pro system to the receptacle via 14/3 w/ground
- Interface comes standard with a 4-pin connector that easily plugs into the provided 4-pin receptacle
- Fully supports MultiSet Pro. Extended scenes are reached by pressing multiple buttons and are displayed by illuminating multiple LED's.

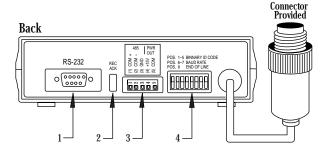
Com Port Settings

• Baud Rate: 1200-9600

• 8 Bit

No Parity

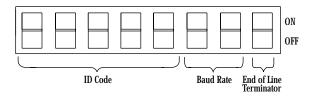
• 1 Stop Bit



4-Pin

- 1. RS-232 9-pin serial D-subminiature female connector
- 2. Communication Status LEDs
- 3. RS-485 terminal
- 4. 8-position dip switch (See detail below)
- 5. Status LEDs with test switches

Dip Switch Bank Detail



MultiSet/MultiSet Pro - MS232 Interface

Specifications

This device is compatible with Lightolier MultiSet Five-Scene and MultiSet Pro 13-Scene Dimming Systems. One MS232 interface is required for each MultiSet/MultiSet Pro system. The MS232 is also compatible via the RS-485 connection with other MS232's, the WB232, and CL232 integration products.

The housing unit has a black enamel finish and measures 5" wide by 5 1/4" tall by 1 1/2" deep. The housing may be wall-mounted using the mounting bracket provided with the unit.

The device consists of an interface box and a 4-pin line voltage plug with receptacle and faceplate. The receptacle is to be mounted in a single-gang wall box. The interface box provides control of preset scenes and master raise/lower. It includes one 9-pin serial connector and one RS-485 5-pin connector (only 3 pins used).

The baud rate for the RS-232 may be selected via 2-positions of the 8 position dip switch for setting 1200, 2400, 4800 or 9600 baud, 5-positions of the dip switch allows for individual identification of up to 31 MultiSet systems and one position is used to set end-of-line. The RS-485 has a baud rate of 4800.

The MS232 has receive and acknowledge LED's, in addition to providing two-way communication using an ASCII command set. The MS232 also includes scene status LED's and test switches for On, A, B, C, D and Off. Extended scenes in MulitSet Pro can be accessed and displayed using multiple switch presses and multiple LED's. MultiSet systems connect to the MS232 via 14/3 w/ground.

MS232 Protocols

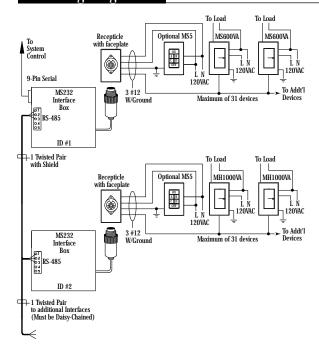
Command	Action	Response
01N< CR >	Lights On (Fade)	01n
01IN <cr></cr>	Lights On (Instant)	01n
01X < CR >	Lights Off (Fade)	01x
01IX <cr></cr>	Lights Off (Instant)	01x
01A <cr></cr>	Recall Preset A (Fade)	01a
O1IA <cr></cr>	Recall Preset A (Instant)	01a
01B <cr></cr>	Recall Preset B (Fade)	01b
01IB <cr></cr>	Recall Preset B (Instant)	01b
01C < CR >	Recall Preset C (Fade)	01c
O1IC <cr></cr>	Recall Preset C (Instant)	01c
01D <cr></cr>	Recall Preset D (Fade)	01d
01ID <cr></cr>	Recall Preset D (Instant)	01d
01E< CR >	Recall Preset E (Fade)	01e
01IE <cr></cr>	Recall Preset E(Instant)	01e
01F< CR >	Recall Preset F (Fade)	01f
01IF <cr></cr>	Recall Preset F (Instant)	01f
01G< CR >	Recall Preset G (Fade)	01g
O1IG <cr></cr>	Recall Preset G (Instant)	01g
01H <cr></cr>	Recall Preset H (Fade)	01h
01IH <cr></cr>	Recall Preset H (Instant)	01h
01I <cr></cr>	Recall Preset I (Fade)	01i
01Ii <cr></cr>	Recall Preset i (Instant)	01i
01J <cr></cr>	Recall Preset J (Fade)	01j
O1Ij <cr></cr>	Recall Preset j (Instant)	01j
01K <cr></cr>	Recall Preset K (Fade)	01ľk
01Ik <cr></cr>	Recall Preset k (Instant)	01k
01L< CR >	Recall Preset L (Fade)	011
01IL <cr></cr>	Recall Preset 1 (Instant)	011
01FN <cr></cr>	Begin System Raise	01n
01FS <cr></cr>	Stop Raise / Lower	01n
01FX <cr></cr>	Begin System Lower	01n
99X* <cr></cr>	Global Čommand - Can be	All systems will respond with
	used for all functions	normal message
99? <cr></cr>	Poll all systems	All systems will respond with status

*NOTE: "X" stands for your selection of the "A" scene or "ON". i.e. 99A < CR > or 99N < CR >

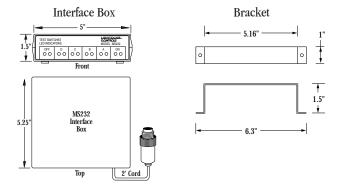
NOTE: Dimmers can be raised or lowered in 5% increments by using the lowercase box ID code letters "a" to "t" with the "N" or "X" command. For example:

##aN <cr></cr>	Raise	e system dim	mers 5%	##n			
##aX <cr></cr>	Lowe	er system din	nmers 5%	##n			
a = 5%	b = 10%	c = 15%	d = 20%	e = 25%	f = 30%	g = 35%	
	i = 45%			l = 60%	m=65%	n = 70%	
o = 75%	p = 80%	q = 85%	r = 90%	s = 95%	t = 100%		
KEY: "##" stands for the box ID code 01-31.							

Wiring Diagram



Dimensions



We reserve the right to change details of design, materials and finish in any way that will not alter the installed appearance or reduce function performance.