WandererAstro

Serial Protocol for WandererCover V4-EC

Baud rate: 19200
Data bits: 8
Parity: None
Stop bits: 1

Action	Command	Example
Open cover	1001	
Close cover	1000	
Set flat panel brightness	1-255	100 for PWM level of 100
Turn off the flat light	9999	
Set the open position of the cover x	40000+ x∗100	67000 for open position of 270°
Set the close position of the cover x	10000+ x∗100	12055 for close position of 20.55°
Automatically detect open position	100001	
Automatically detect close position	100000	
Dew heater OFF	2000	
Dew heater LOW	2050	
Dew heater HIGH	2100	
Dew heater MAX	2150	

WandererCover V4-EC continues transmitting status info to the COM port, this also helps users to identify whether the COM port belongs to the WandererCover V4-EC. The status info has the following format:

WandererCoverV4A****A***A***A***A***A

| | | | | |
| 1 | 2 | 3 | 4 | 5 |

The definition are as follows:

	Definition
1	Firmware version
2	Close position set (°)
3	Open position set (°)
4	Current position (°)
5	Input voltage (V)