

	TITLE:	Mercury LED Control
TB-076	PRODUCTS:	Version 6.3.4 and later
March 2 nd , 2021	SUMMARY	Reader LED Guide for Modes 1,2, & 3

Mercury LED Control

NOTE: As of version 6.3.4 an LED mode can be set for each reader port. Mode 1,2, or 3

Wiegand Reader LED's can be Red, Green, Amber or Off (depending on reader manufacturer)

We have greater control with OSDP Reader LED's which can be Red, Green, Amber, Blue, or Off

Mercury LED Mode 1 Guide		
eMAX Default:		
Description	LED Status	Details
Reader Disabled - We never configure the readers to be truly disabled.	As We do not disable readers this does not apply	On Col: Red for 2.9 seconds Off Col: Off for 0.1 seconds Repeat while state exists.
When the door is set to "Unlocked" by Schedule, Trigger, or manually from software.	Wiegand: Flashing Green\Red OSDP: Flashing Green\Off	On Col: Green for 2.9 seconds Off Col: Off for 0.1 seconds Repeat while state exists.
When the door is in "Lockdown" mode.	Wiegand: Solid Red OSDP: Flashing Red\Off	On Col: Red for 2.9 seconds Off Col: Off for 0.1 seconds Repeat while state exists.
When the panel is not communicating with the area controller with "Failsafe site code verification" enabled.	Wiegand: Solid Red OSDP: Flashing Red\Off Repeat while state exists.	On Col-Red for 0.1 seconds Off Col-Off for 2.9 seconds Repeat while state exists.
When the door is idle and locked and in normal access mode.	Wiegand: Solid Red OSDP: Flash Red\Off	On Col: Red for 0.1 seconds Off Col: Off for 2.9 seconds Repeat while state exists.
When the door is idle and locked and "Entry mode-Keypad only" option is set.	Wiegand: Mainly Red with Green pulse OSDP: Green\Off	On Col: Green for 0.1 seconds Off Col: Off for 2.9 seconds Repeat while state exists.
When the door is idle and locked and "Entry mode-Reader & Keypad" option is set.	Wiegand: Solid Red OSDP: Flash Red\Off	On Col: Red for 0.1 seconds Off Col: Off for 2.9 seconds Repeat while state exists.
When the door is idle and locked and "Entry mode-Reader or Keypad" option is set.	Wiegand: Mainly Red with Green pulse OSDP: Green\Off	On Col: Green for 0.1 seconds Off Col: Off for 2.9 seconds Repeat while state exists.
When the credential was denied access.	Wiegand: Solid Red OSDP: Flashing Red 3 beeps	On Col: Red for 0.2 seconds Off Col: Off for 0.2 seconds Repeat 5 times Beep 3 times

When the credential was granted access.	Wiegand: Flashing Green\Red OSDP: Flashing Green\Off 1 Beep	On Col: Green for 0.2 seconds Off Col: Off for 0.2 seconds Repeat 7 times Beep 1 time
When using the IPS panel and the system is waiting for a command from the IPS keypad.	Wiegand: Mainly Red with Green pulse OSDP: Green\Off Beep 2 times	On Col: Green for 0.1 seconds Off Col: Off for 1.4 seconds Beep 2 times
When the door is configured for "Two badge operation" and the panel is waiting for the second card read.	Wiegand: Flashes Red\Green OSDP: Flashes Red\Green Beep 2 times	On Col: Green for 0.4 seconds Off Col: Red for 0.4 seconds Repeat 6 times Beep 2 times
When the door is configured for "Two badge operation" and a "Keypad" mode and the panel is waiting for the second PIN.	Wiegand: Solid Red OSDP: Flashing Green\Blue Beep 2 times	On Col: Green for 0.1 seconds Off Col: Blue for 0.1 seconds Repeat 25 times Beep 2 times
When the card read has been sent out for secondary verification. (Biometric or Host Response)	Wiegand: Flashing Green\Red OSDP: Flashing Green\Red Beep 2 times	On Col: Green for 0.4 seconds Off Col: Red for 0.4 seconds Repeat 6 times Beep 2 times

- On Wiegand Readers, OFF colour will be idle colour for reader.
- Amber may not be supported by some Wiegand readers
- Beep requires the beeper cable to be connected to the reader port

Mercury LED Mode 2 Guide

BLP Emulation

Description	LED Status	Details
Reader Disabled - We never configure the readers to be truly disabled.	As We do not disable readers this does not apply	On Col: Red for 1 second Off Col: Red for 1 second Repeat while state exists.
When the door is set to "Unlocked" by Schedule, Trigger, or manually from software.	Wiegand: Solid Green OSDP: Flashing Green\Off	On Col: Green for 1 second Off Col: Green for 1 second Repeat while state exists.
When the door is in "Lockdown" mode.	Wiegand: Flashing Amber\Red* OSDP: Solid Amber	On Col: Amber for 1 second Off Col: Amber for 1 second Repeat while state exists.
When the panel is not communicating with the area controller with "Failsafe site code verification" enabled.	Wiegand: Flashing Green\Red OSDP: Flashing Red\Amber	On Col: Red for 1 second Off Col: Amber for 1 second Repeat while state exists.
When the door is idle and locked and in normal access mode.	Wiegand: Solid Red OSDP: Solid Red	On Col: Red for 1 second Off Col: Red for 1 second Repeat while state exists
When the door is idle and locked and "Entry mode-Keypad only" option is set.	Wiegand: Solid Red OSDP: Solid Red	On Col: Red for 1 second Off Col: Red for 1 second Repeat while state exists.
When the door is idle and locked and "Entry mode-Reader & Keypad" option is set.	Wiegand: Solid Red OSDP: Solid Red	On Col: Red for 1 second Off Col: Red for 1 second Repeat while state exists.
When the door is idle and locked and "Entry mode-Reader or Keypad" option is set.	Wiegand: Solid Red OSDP: Solid Red	On Col: Red for 1 second Off Col: Red for 1 second Repeat while state exists.
When the credential was denied access.	Wiegand: Solid Red OSDP: Flashing Red\Off Beep 3 times	On Col: Red for 0.2 seconds Off Col: Off for 0.2 seconds Repeat 5 times Beep 3 times
When the credential was granted access.	Wiegand: Solid Green OSDP: Solid Green Beep 1 time	On Col: Green for 0.2 seconds Off Col: Green for 0.2 seconds Repeat 7 times Beep 1 time
When using the IPS panel and the system is waiting for a command from the IPS keypad.	Wiegand: Mainly Green with Red pulse OSDP: Amber\Green Beep 2 times	On Col: Amber for 0.1 seconds Off Col: Green for 1.4 seconds Beep 2 times
When the door is configured for "Two badge operation" and the panel is waiting for the second card read.	Wiegand: Flashing Green\Amber OSDP: Flashing Green\Amber Beep 2 times	On Col: Amber for 0.4 seconds Off Col: Green for 0.4 seconds Repeat 6 times Beep 2 times

When the door is configured for "Two badge operation" and a "Keypad" mode and the panel is waiting for the second PIN.	Wiegand: Flashing Green\Red OSDP: Flashing Green\Off Beep 2 times	On Col: Green for 0.1 seconds Off Col: Off for 0.1 seconds * Repeat 25 times Beep 2 times
When the card read has been sent out for secondary verification. (Biometric or Host Response)	Wiegand: Flashing Green\Red OSDP: Flashing Green\Red Beep 2 times	On Col: Green for 0.4 seconds Off Col: Red for 0.4 seconds Repeat 6 times Beep 2 times

- On Wiegand Readers, OFF colour will be idle colour for reader.
- Amber may not be supported by some Wiegand readers
- Beep requires the beeper cable to be connected to the reader port

Mercury LED Mode 3 Guide

Dark Mode

Description	LED Status	Details
Reader Disabled - We never configure the readers to be truly disabled.	As We do not disable readers this does not apply	On Col: Off for 0.1 seconds Off Col: Off for 1 second Repeat while state exists.
When the door is set to "Unlocked" by Schedule, Trigger, or manually from software.	Wiegand: Mainly Red with Green Flash OSDP: Flashing Green\Off	On Col: Green for 0.1 seconds Off Col: Off for 1 second Repeat while state exists.
When the door is in "Lockdown" mode.	Wiegand: Solid Red OSDP: Mainly Off with Red Flash	On Col: Red for 0.1 seconds Off Col: Off for 1 second Repeat while state exists.
When the panel is not communicating with the area controller with "Failsafe site code verification" enabled.	Wiegand: Flashing Red** OSDP: Off	On Col: Off for 0.1 seconds Off Col: Off for 1 second Repeat while state exists.
When the door is idle and locked and in normal access mode.	Wiegand: Solid Red OSDP: Off	On Col: Off for 0.1 seconds Off Col: Off for 1 second Repeat while state exists
When the door is idle and locked and "Entry mode-Keypad only" option is set.	Wiegand: Solid Red OSDP: Off	On Col: Off for .01 seconds Off Col: Off for 1 second Repeat while state exists.
When the door is idle and locked and "Entry mode-Reader & Keypad" option is set.	Wiegand: Solid Red OSDP: Off	On Col: Off for 0.1 seconds Off Col: Off for 1 second Repeat while state exists.
When the door is idle and locked and "Entry mode-Reader or Keypad" option is set.	Wiegand: Solid Red OSDP: Off	On Col: Off for 0.1 seconds Off Col: Off for 1 second Repeat while state exists.
When the credential was denied access.	Wiegand: Solid Red OSDP: Flashing Red\Off Beep 3 times	On Col: Red for 0.2 seconds Off Col: Off for 1 second Repeat 5 times Beep 3 times
When the credential was granted access.	Wiegand: Mainly Green with Red Flash OSDP: Flashing Green\Off Beep 1 time	On Col: Green for 0.2 seconds Off Col: Off for 1 second Repeat 7 times Beep 1 time
When using the IPS panel and the system is waiting for a command from the IPS keypad.	Wiegand: Flashing Amber\Red OSDP: Flashing Amber\Off Beep 2 times	On Col: Amber for 0.2 seconds Off Col: Off for 1 second Beep 2 times
When the door is configured for "Two badge operation" and the panel is waiting for the second card read.	Wiegand: Flashing Red\Amber OSDP: Flashing Amber\Off Beep 2 times	On Col: Amber for 0.2 seconds Off Col: Off for 1 second Repeat 6 times Beep 2 times

When the door is configured for "Two badge operation" and a "Keypad" mode and the panel is waiting for the second PIN.	Wiegand: Flashing Amber\Red OSDP: Flashing Amber\Off Beep 2 times	On Col: Amber for 0.2 seconds Off Col: Off for 1 second Repeat 25 times Beep 2 times
When the card read has been sent out for secondary verification. (Biometric or Host Response)	Wiegand: Flashing Amber\Red OSDP: Flashing Amber\Off Beep 2 times	On Col: Green for 0.4 seconds Off Col: Red for 1 second Repeat 6 times Beep 2 times

- On Wiegand Readers, OFF colour will be idle colour for reader.
- Amber may not be supported by some Wiegand readers
- Beep requires the beeper cable to be connected to the reader port