

Special Digital Overdrive Controller

# ISS Seires Illumination Dedicated Overdrive Controller [ILS-40M2-PI/SS]

- Line illumination products
- Ring illumination products
- Bar illumination products
- Dome illumination products
- Special illumination products
- Kit products
- Controller products
- Other illumination products

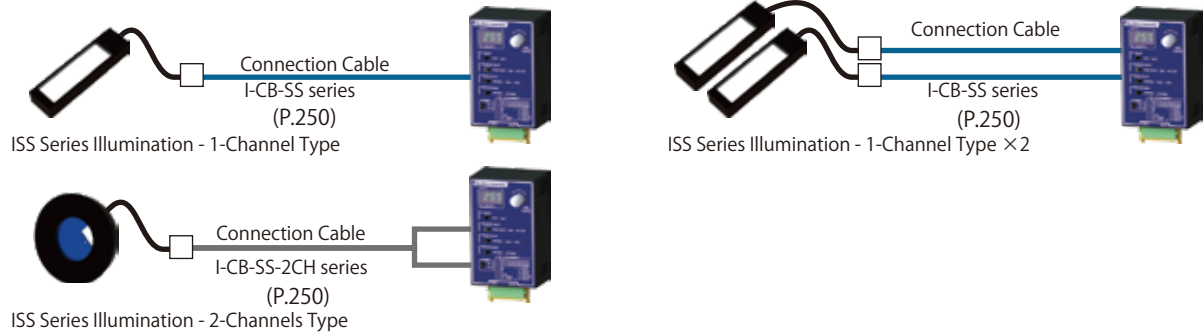
8bit

Dedicated overdrive controller for super-bright illumination - ISS Series.  
Two channels to connect ISS Series illuminations.  
You can connect up to two units of 1-channel specification illumination or one unit of 2-channel specification illumination.

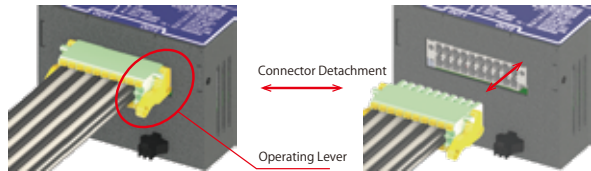


- Suitable for use in DC-powered environment.
- The emission time can be set in increments of 1 μs, offering finer control (in edge mode).
- Compact casing design, easy connection with push-in type connectors.

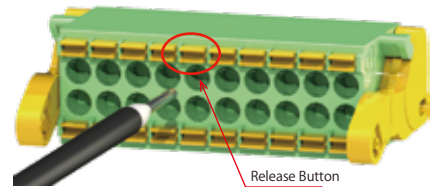
## Connection Example with Illumination



## Easy connection with push-in type connectors.

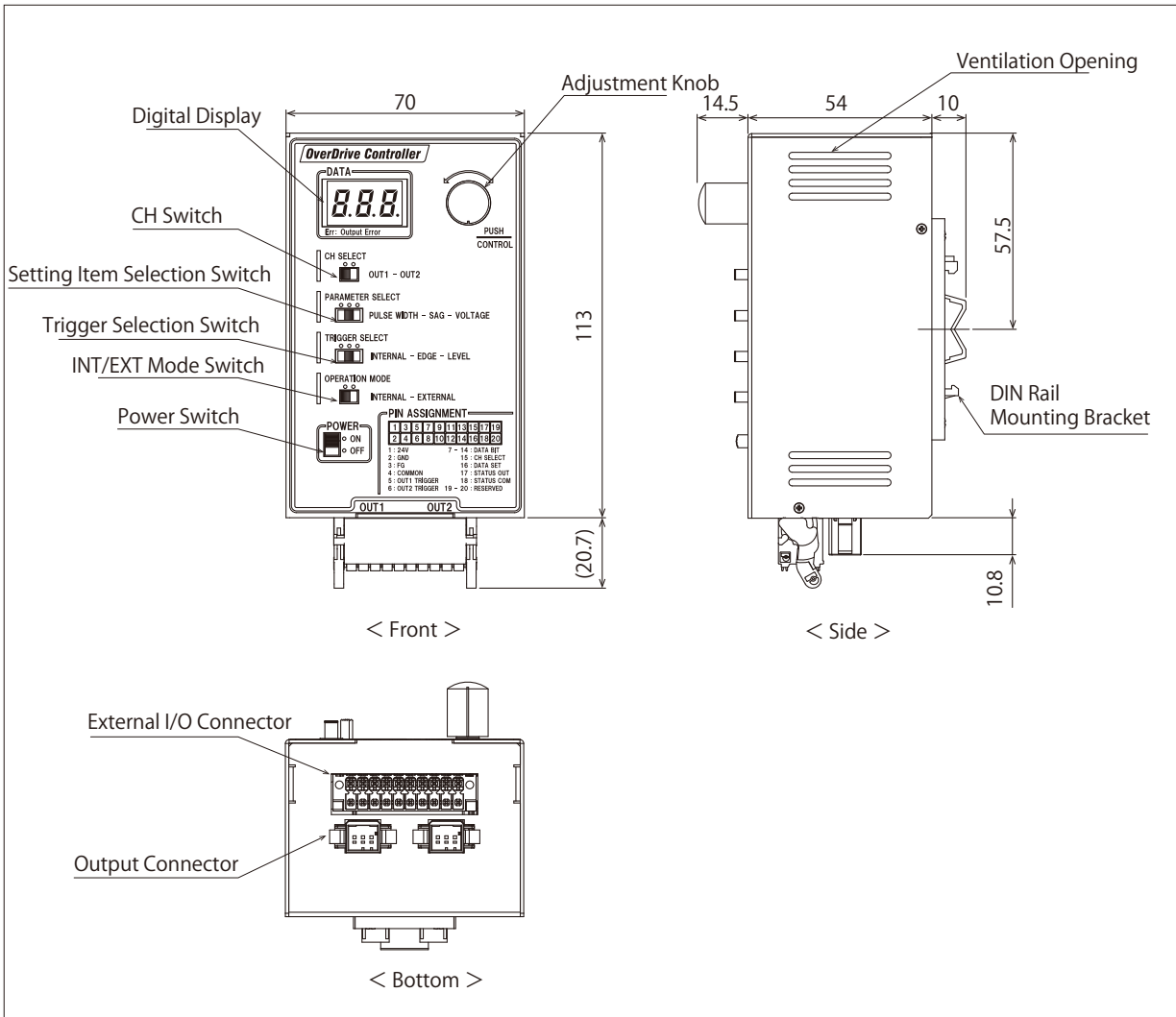


◎Easy attachment and detachment of the connector  
Connector detachment is made easy with the operating lever on the side of the connector. This allows for easy wiring of the connector and significantly reduces the required space for installation work, even in tight distribution panels and other confined areas.



◎Easy connection with push-in type connectors.  
Easy connection and disconnection can be achieved by operating the release button. For screw terminal connections, simply insert the wire without the need for button operation.

Model	ILS-40M2-PI/SS
Number of Outpt Channels	2CH
Input Power	DC 24V ±10% Current consumption 3A (Max)
Output Voltage Upper Limit (SAG)	DC 10 to 36V (256-step variable output voltage)
Output Current	11A <sub>o-p</sub> / CH
Pulse Width Setting	Internal Trigger:800Hz Fixed External Trigger:0 μs~100 μs (in 1 μs step)
Variable-voltage Output Range	Variable in 256 steps within the range of Min. output (approx. 10V) to the output voltage upper limit (SAG value)
External Trigger Responsiveness	OFF → ON : Less than 3μs, ON → OFF (LEVEL mode): Less than 3μs
Variable-voltage Output Responsiveness	10V → 36V: Less than 170ms, 36V → 10V: approx. 2s (Under no-load)
Internal Control Function	Variable output voltage and pulse width by switch operation
External Control Function	Synchronization control via 8-bit parallel communication Variable-voltage output(10V~SAG value)
Synchronization Control Function	Synchronization control by external trigger
Protection Function	Overcurrent and overvoltage protection, interlock function (Disabling trigger signal when the pulse duty exceeds 1%)



Line illumination products

Ring illumination products

Bar illumination products

Transmitted/area illumination products

Dome illumination products

Special illumination products

Other products

Controller products

Other illumination products

Other illumination products

Other illumination products

Other illumination products

- IDBB-LSRF
- IDBC-LSR
- IDBB-LSRH
- IDBB-LSRA
- IDBB-LSRS
- IDBC-LSRC
- IDBB-LSRC
- IDBB-RE
- IDBB-RE
- IDBA-RK
- IQDH-RE
- IMAR-D\_8ch
- IDR-LA-8ch
- IDRA-T-8ch
- IMAR-D
- IMAR-CT D
- IHR-LE
- IHRB · IHRA
- IDR-F
- IDR-F33/16
- IDR
- IDRA-T
- IFR · IPR
- IDBA-HM
- IDBA-HMS
- IDBA-HMS-IR
- IDBA-FD
- IDBA-LEH2
- IDBA-LEH
- IDBA-LE
- IDBA-SE
- IDBA-SL
- IDBA
- IDBA-Q
- IFLA · IFLB
- IDHM
- IHMA
- IHMA-V
- IFPA
- IFD
- IFD-IR
- IHMA-40D
- IFPA-D
- IPQC
- IFHA
- IDDB-KH · IDDA-KH
- IDUB
- IDD
- IDD-CB
- IQD · IQDH
- IQDA-CB
- IFVA · IFVB
- IFVA-ST
- IFV
- IV-14 · IV-30
- IHV-20 · IHVE-21
- IHVA-SP · IHSL-SP
- IBF
- IHV-FX
- RBOX
- IDBB-CH
- IDHRA
- UV-CAN
- Infrared
- Infrared
- IMAR-RGB
- IDDA-KH-RGB
- RGB Full-color
- ISU
- ISS
- Introduction of Customization
- High-speed synchronous imaging camera products
- ISC-24
- Image capture evaluation kit products
- IDMU
- ILP
- ILC
- ILV
- ILS
- IPPA\_G · IRPA\_G
- IPSA · IPPA
- IDGC
- IDPA
- IDCA
- IMC
- IWDV-24
- IWDV(S)-48
- ISC
- IJS
- IJS
- IJS-30M2-TP/SS
- ILS-40M2-PI/SS
- SAG
- SLLUB
- LLUB
- IFC