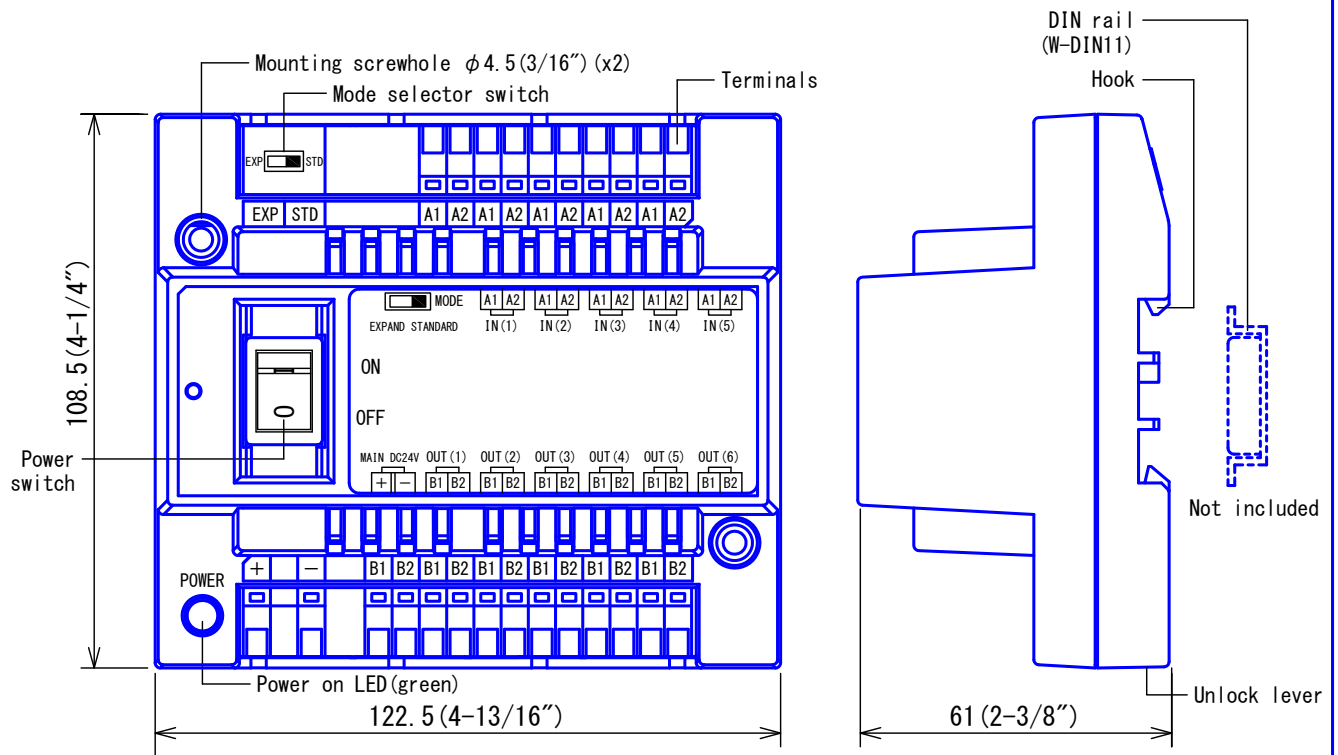
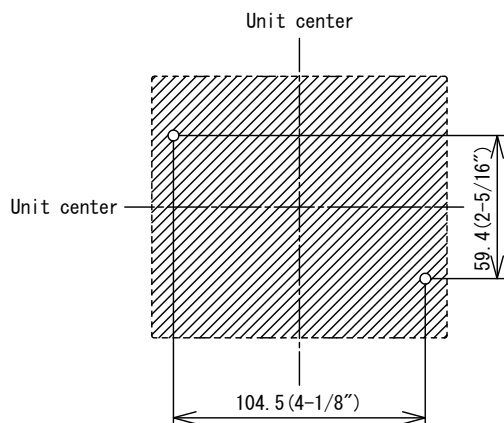


PRODUCT DRAWING

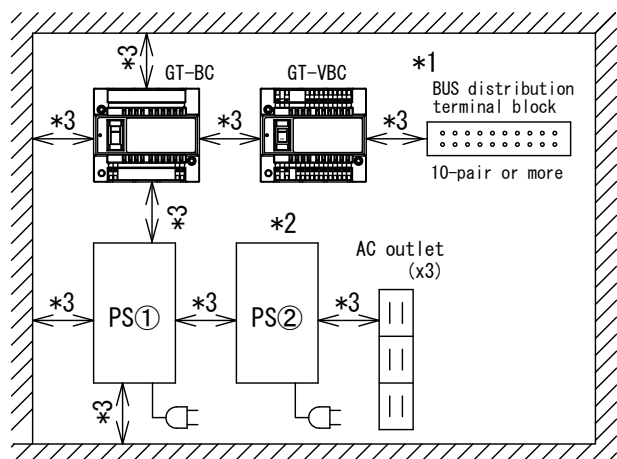


MOUNTING

When DIN rail is not provided



As shown below, it is recommended to mount the Video Bus control unit (GT-VBC) along with Bus control unit (GT-BC) and 24V DC power supplies and terminal block (Bus distribution) on a panel inside an enclosure box.



*1 Locally available with 10-paired terminals or more

*2 PS① : GT-BC, Bus control unit

GT-VBC, Video Bus control unit

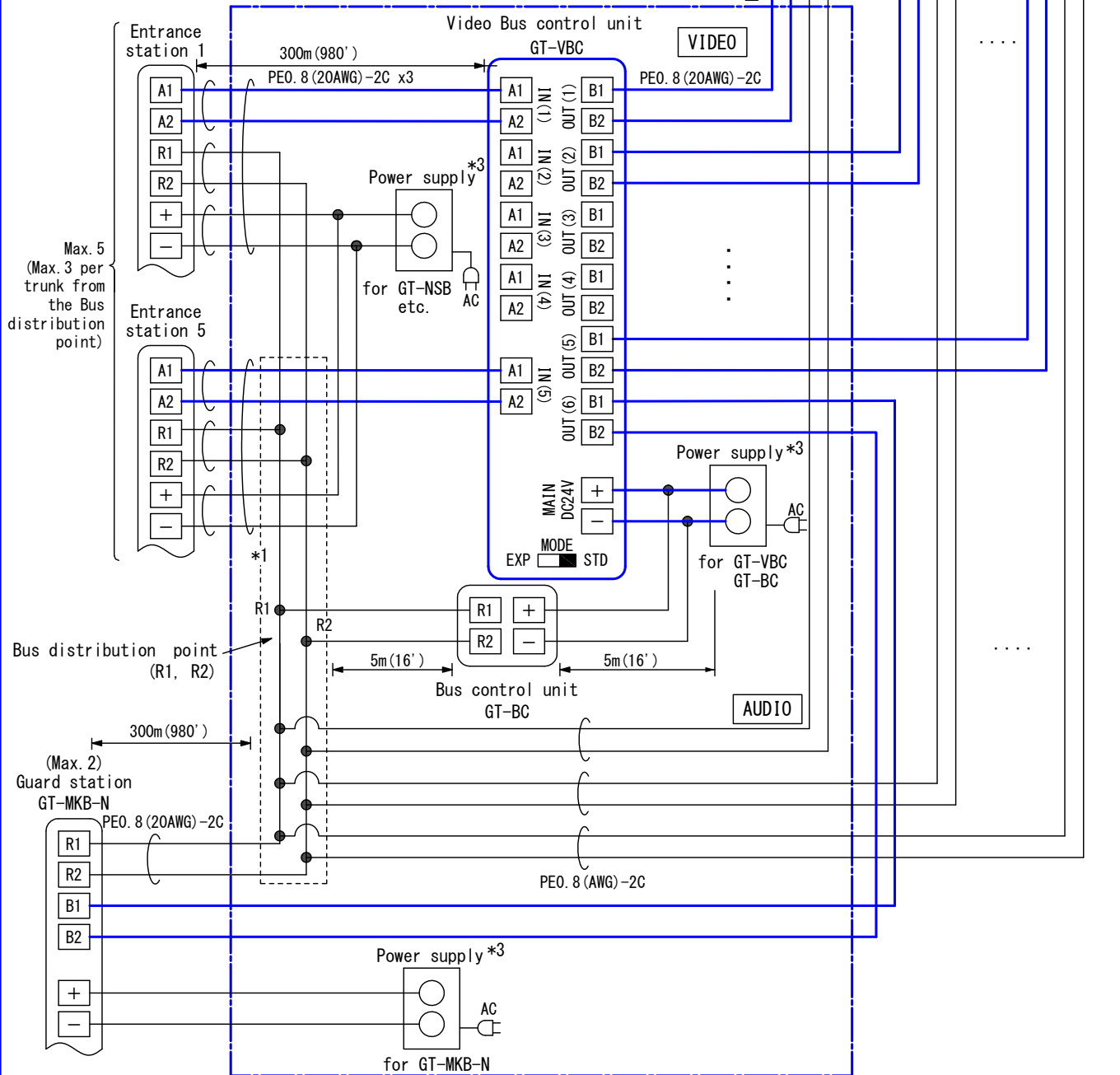
PS② : PS-2420/UL/S/BF/DM for Digital Entrance station

*3 Keep a space of 50mm (1-15/16") or more between the walls, and between the units for heat dissipation and servicing purposes.

DESCRIPTION VIDEO BUS CONTROL UNIT	FIG. NAME PRODUCT DRAWING	UNIT mm	DATE 11 July, 2017
MODEL NO. GT-VBC	FIG. NO. G57578-1-3	PAGE 1/3	REVISION 2 AIPHONE

■ WIRING DIAGRAM (standard system)

- For Expanded system, refer to the specification of GT-VBX.
- For Multi building system, refer to the specification of GT-MCX.



*1: Employ the terminal block for Bus distribution, which shall be located in proximity of the Bus control unit (within 5m(16')).

*2: To extend the Residential video Bus lines, 4-way video junction unit(GT-4Z) shall be used to connect each up to four Residential/tenant stations. The GT-4Z's must be installed in accessible places for servicing.

*3: Power supply : PS-2420/UL/S/BF/DM

• In standard system, make sure that a power supply is shared between GT-BC and GT-VBC.

• In expanded system, make sure that a power supply is shared between GT-BC and GT-VBC.

Also, a power supply must not be shared between trunk lines (including sub and common trunk lines).

• In expanded system, make sure that a power supply is shared between GT-BCXB-N and GT-VBC.

PE: Polyethylene-insulated PVC jacket cable

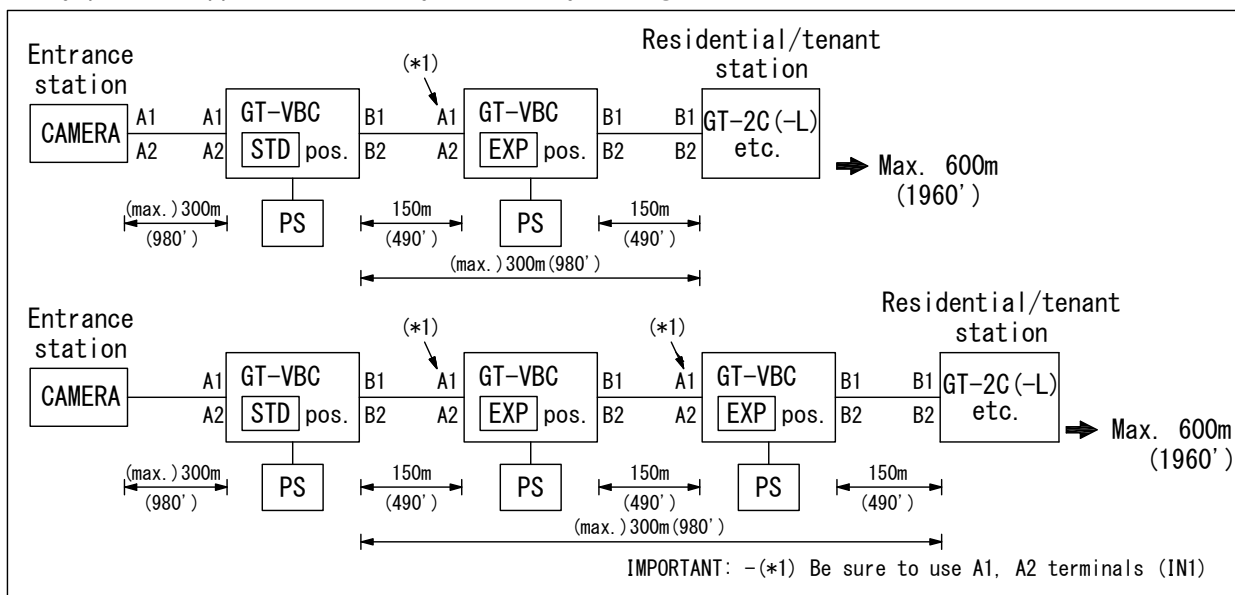
DESCRIPTION VIDEO BUS CONTROL UNIT	FIG. NAME WIRING DIAGRAM	UNIT mm	DATE 11 July, 2017
MODEL NO. GT-VBC	FIG. NO. G57578-2-3	PAGE 2/3	REVISION 2
AIPHONE			

■ RESTRICTIONS

- Regarding to wiring of trunk lines, run audio and video wires in separate-jacketed cables.

■ FUNCTIONS

- Transmitting video signals from Entrance stations and Guard stations to Residential/tenant stations via 4-way video junction unit.
- Setting for Unit's function mode with mode (EXP/STD) selector switch
Position A (initial): Works as Video Bus control unit
Position B : Works as Expander Video Bus control unit
- Max. 600m(1960') distance between an Entrance station and a Residential/tenant station (any pair). (Applies to a GT system of any configuration.)



- Max. two GT-VBC(EXP pos.) can be connected per Sub trunk line.

■ SPECIFICATIONS

Power source	DC 24V. Supplied from a power supply unit (PS-2420/UL/S/BF/DM)				
Current consumption	Max. 900mA				
Ambient temperature	0~40°C (32~104° F)				
Mounting	Surface wall mounting or DIN rail (W-DIN11)				
Material	Self-extinguishing ABS plastic				
Weight	250g (approx.) (0.56 lbs)				
Unit color	Middle gray (N6.4 Munsell Approximation)				
Capacity	Entrance station	Standard system: Max. 5 (Max. 3 per trunk from the DP)			
	Residential/ tenant station	Standard system: Max. 48 (Max. 25 per trunk from the DP)			
	Guard station	Standard system: Max. 2 * For Multi building system, refer to the specification of GT-MCX			
4-way video junction unit	Max. 6 per Residential/tenant trunk				
DESCRIPTION VIDEO BUS CONTROL UNIT		FIG. NAME RESTRIC. /FUNC. /SPEC.		UNIT mm	DATE 11 July, 2017
MODEL NO. GT-VBC		FIG. NO. G57578-3-3	PAGE 3/3	REVISION 2	AIPHONE