

Consultant's Handbook

Facilities Planning and Management Engineering and Construction

26 2726 - Wiring Devices

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Last Update: May 12, 2017

General:

All devices and device plates shall be white in color unless otherwise instructed by Owner or color shall match existing device color on renovation projects, except for special purposes. Examples: Orange for isolated ground, Blue for surge devices, Red for emergency power.

Install all receptacles with the "U" ground down.

Provide duplex receptacles with integral USB charging ports in student gathering areas, break rooms, lounges, dining areas and within the sleeping rooms in the residence halls.

The BSU standard office layout includes at least one receptacle on each wall with a data jack adjacent to the receptacle on the "back" wall as well as the "side" wall opposite the door opening.

Approved Manufacturers:

Hubbell

Leviton

P&S.



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Table 1

Table 1					
Device Types					
Device	Reference Standard				
Switches (General Use)	Hubbell #HBL1221I Series, 20A, 120/277VAC certified by U.L. to meet the latest edition of FED SPEC. WS896.				
Switch and Pilot (General Use)	Hubbell #HBL1221PL Series with inbuilt lamp				
	Pilot "on" when load is "on"				
Switch and Pilot	Hubbell #427 with porcelain body (where detailed on special controls) and 6S6-155 volt lamp and 2 gang plate				
	Pilot "on" when load is "on"				
Duplex Outlets (General Use)	Hubbell #HBL5262I Series, 15A, 120V 3 wire grounding type and certified by U.L. to meet the latest edition of FED. SPEC. WC596 and Nema Standard #WD-1				
20A duplex receptacles	Hubbell #HBL5352I, ivory color, using #HBL5366C caps				
Non-corrected clock outlet	Hubbell #5235				
Corrected clock outlet	As shown on drawings and/or specified in job scope				
Microphone outlet	As shown on drawings and/or specified in job scope				
Outlet for chain suspended fixtures	Hubbell #5261 with #5266C cap, for 120V				
	Hubbell #4760 with #4770C cap all other fixtures				
Remote relay control (not 24V)	Bryant #3022/4921				
Pull chain switches	McGill #41, 6A where capacity permits				
Temporary tool supply outlets	Bryant #5393				
Ground Fault Interrupter (general use)	Hubbell #GF5352IA				
Ground Fault Interrupter (hospitals)	Hubbell #HGF8200I				
Hospital grade outlet	Hubbell #8200I				
Separate pilot light	G.E. #4218-0, 4219-0 or Hubbell #427, with porcelain body only and 6S6-55 volt lamp and appropriate plate				
Isolated Ground Outlets (general use)	Hubbell #IG5362, 20A 120V 4wire grounding type with nylon insulating barrier between grounding contacts and receptacle mounting strap, back and side wired, brass or double plated (nickel and brass) steel mounting strap, UL listed				



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Table 2

Cover Plates				
Location	Reference Standard			
Interior outlets	Hubbell Lexan (Polycarbonate)			
Corrosive atmosphere	Hubbell #17CM81-2,3,4, one piece neoprene with matching device			
Weatherproof outlets	Hubbell #5205WO, listed "wet location with cover closed"			
Weatherproof outlets	Raco Rayntite #5060, listed "wet locations with cover open"			

Table 3

Wiring Device information							
VOLTAGE	NEMA	AMPACITY	CORD*	OUTLET	CAP		
125 1 PHASE	5-15 5-20 5-30 5-50	0-15 15-20 20-30 30-50	3/C#14 3/C#12 3/C#10 3/C#6	5261 5361 9308 9360	5266A 5366A 9309 9361		
250 1 PHASE	6-15 6-20 6-30 6-50	0-15 15-20 20-30 30-50	3/C#14 3/C#12 3/C#10 3/C#6	5661 5461 9330 9367	5666A 5466cA 9331 9368		
125/250 1 PHASE	14-15 14-20 14-30 14-50 14-60	0-15 15-20 20-30 30-50 50-60	4/C#14 4/C#12 4/C#8 4/C#4 4/C#4	** 8410 9430 9450 9460	** 8416 9432 9452 9462		
250 3 PHASE	15-15 15-20 15-30 15-50 15-60	0-15 15-20 20-30 30-50 50-60	4/C#14 4/C#12 4/C#8 4/C#4 4/C#4	** 8420 8430 8450 8460	** 8426 8432 8452 8462		

Notes:

- * Cord sizes may be reduced to load ampacity of equipment served but not smaller than #16.
- ** Not listed in catalog. Use appropriate twist lock device. All catalog numbers shown are Hubbell.