



QO® Load Centers



**PLAY IT SAFE
READ THIS
BULLETIN!**



WARNING

HAZARD OF ELECTRICAL SHOCK OR BURN.

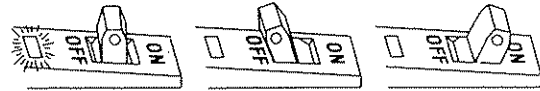
Disconnect all power to electrical equipment before working inside, installing or removing circuit breaker(s). Any work done on electrical system must be done by a qualified electrician.

Failure to observe this precaution can result in severe personal injury or death!

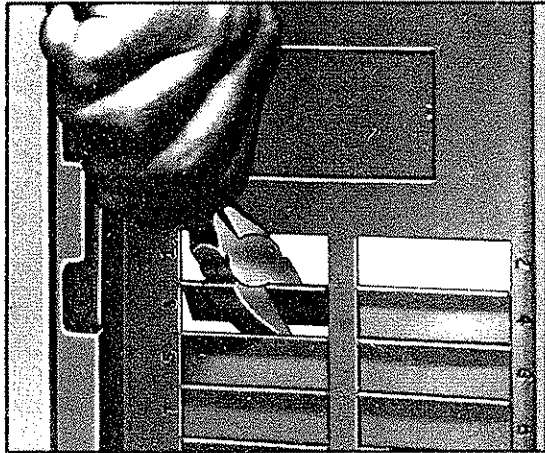
Retain this information for future reference by electrical inspector and property owner.

See labels on product for additional information.

Circuit Indication



Handle at mid-position and/or red VISI-TRIP® indicator shows circuit breaker is tripped. To RESET push handle to OFF position, then turn ON.

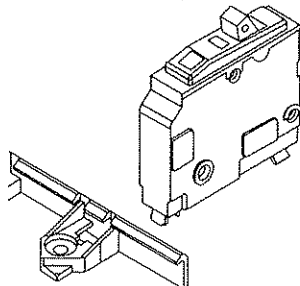


Remove from the cover or trim only those twistouts to match breakers by twisting out with pliers at center of twistout. Remove only one side when installing Q1 breakers.

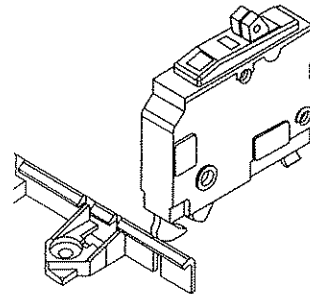
Close all unused openings in cover or trim by ordering the following filler plates.

Catalog No.	Opening Measuring				
	IN	MM	X	IN	MM
QOFP	.75	19	X	2.3	58
QOM1FP	3.0	76	X	1.9	48
QOM2FP	5.6	142	X	2.2	56
KFP	4.0	102	X	4.5	114

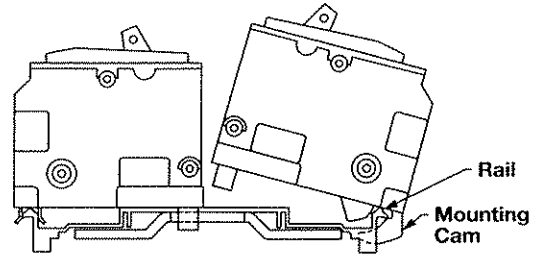
Any QO or Q1 circuit breaker may be installed without restriction at any location where there is enough space available. Turn circuit breakers OFF before installing in load center or removing from load center.



Square D QO load centers are designed to restrict the installation of more overcurrent devices than the number for which each specific device was designed, rated and approved. To accomplish this restriction required by NEC Par. 384-15, on certain load centers, the mounting means for tandem type QOT circuit breakers (for single phase load center use only) is different from QO and Q1 circuit breakers. Tandem type QOT circuit breakers may be installed only in certain single phase load centers, where the mounting rail has an opening at the center line of the desired pole space.



To install tandem type QOT breakers hold at 30° to 45° angle. Insert nose of mounting cam into mounting rail opening as far as possible (until bottom of breaker case contacts mounting rail). Rotate breaker until plug on jaws fully engage on bus bar connectors. Bottom of breaker case should remain against mounting rail.



NOTE: The QOT mounting cam is thick, hardened steel. Excessive force utilized to improperly install a tandem breaker, where no mounting rail opening is provided, will purposely destroy the breaker case.

No modification to the mounting rail or the circuit breakers is required. The Square D QO system is UL listed and built to physically prevent the installation of too many overcurrent devices. No tools are required for mounting.

Removing Knockouts

Square D tangential knockouts are designed to simplify the installation when using conduit. The conduit is maintained as close to the wall as possible, thus eliminating the need for offsets.

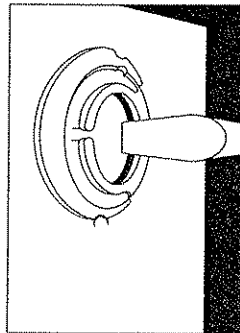


Figure 1

Remove knockouts ONE AT A TIME alternating INWARD and OUTWARD.

Remove center knockout INWARD.

Place screwdriver blade against point farthest from the tie and strike INWARD (Figure 1). Bend back and forth to break tie.

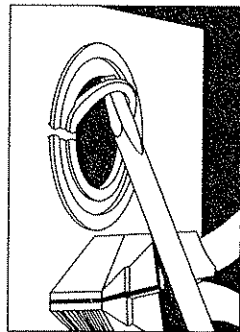


Figure 2

Remove rings ONE AT A TIME without straining remaining rings.

Pry first ring OUTWARD with screwdriver midway between ties, using pliers flat against box under screwdriver (Figure 2). Bend ring sections OUTWARD with pliers, then back and forth to break ties (Figure 3).

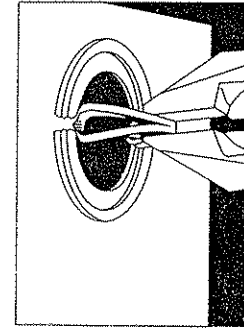


Figure 3

Remove second ring INWARD by striking screwdriver (with blade against point midway between ties) then bending ring sections inward and back and forth to break ties.

3 Phase Load Centers

See Main Circuit Breaker Rating, if used.

208Y/120Vac	3 PH 4W
240Vac ▲	3 PH 3W
240/120Vac ■	3 PH 4W

▲ For this system, neutral is not used and only circuit breakers rated 240Vac are to be used.

■ When wired for Delta System, phases "A" and "C" must be 120Vac to neutral. Phase "B" 208Vac to neutral. Circuit breaker poles connected to Phase "B" must be 240Vac. Single pole circuit breakers can only be connected to phases "A" and "C", supplying only 120Vac loads.

See load center wiring diagram for short circuit current ratings.

1 Phase Load Centers

See Main Circuit Breaker Rating, if used.

120/240Vac	1 PH 3W
240Vac ‡	3 PH 3W

‡ For grounded "B" phase system, use 240Vac circuit breakers only.

See load center wiring diagram for short circuit current ratings.

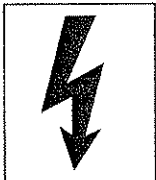
For questions regarding this equipment, call the Load Center Technical Assistance Group at Square D Company, Lexington, Kentucky.

1-(800)-666-7557

7:30 am - 4:30 p.m. weekdays (Eastern Time)

USE ONLY SQUARE D TYPE QO, QOT, Q1, CIRCUIT BREAKERS, ACCESSORIES, AND REPLACEMENT PARTS WITH THIS PRODUCT. USE OF OTHER COMPONENTS VOIDS THE WARRANTY, MAY VOID THE UL LISTING, AND MAY RESULT IN PROPERTY LOSS OR PERSONAL INJURY.

The load center was shipped with the following warning and danger labels:

	DANGER: Hazard of Electrical Shock or Burn. TURN OFF POWER Supplying This Equipment Before Working Inside. Replace Trim Before Turning Power ON.
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	WARNING: This Equipment Is Designed and Tested by Square D to Performance Levels Which Exceed Underwriters Laboratories Standards. Use of Other Than Square D Circuit Breakers May Adversely Affect User Safety, Impair Reliability and Will Void the Warranty.
Allowing Petroleum-Based Paint, Solvents or Spray to Contact the Non-Metallic Parts of This Product May Adversely Affect User Safety and Impair Reliability	

The Following Accessories Are Available For Use With Square D Listed Equipment:

- Handle Attachments
- Sub-Feed Lugs
- Filler Plates
- Lock Kits
- Neutral Lugs
- Ground Bar Kits
- Surge Arresters

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