

# Model X10

**X-MARK™ or SMART MARK® XEPTOR™**  
THE SMART MULTI-COIN AND ENCODED TOKEN ACCEPTORS



IDX's X10 series of multi-coin Xeptors will accept a mixture of 6 different coins. This coin mixture can consist of any combination of currencies, tokens, and X-Mark or Smart Mark encoded security tokens. The X10 Xeptor has internal programming to allow the operator the ability to program new coins, change the number of coin pulses per coin and field self-diagnostic information. Coin pulses are released through a shielded relay to offer the OEM an easier interface for multiple coin voltage requirements. Other coin outputs are available to meet the different demands of the OEMs. This smart thinking Xeptor continues updating its memory on each coin as the Xeptor ages.

Digging coin jams out is a thing of the past. The built-in coin release opens the chute to drop through bent and mutilated coins. Coin jams are also caused where bent faceplates are mis-aligned with the Xeptor's faceplate to meter doors. This has been eliminated with the introduction of a new all stainless steel snap-in faceplate, Model MA19, which relieves the strain from bent doors.

## **X10 XEPTOR FEATURES:**

- Standard preprogrammed with U.S. Quarter and U.S. Dollar coins can be field changed.
- Standard 4 wire hookup: Power wires - Yellow 24VAC Hot / Black 24VAC Common & Coin wires - (2) Red/Green
- Power sources: 24VAC standard, 12VDC optional, or 24VDC optional
- Distinguishes and accepts any of up to (6) six different coins, tokens, X-Mark or Smart Mark encoded tokens of different sizes and/or different electronic signatures
- Standard 2" faceplate footprint on the snap-in stainless steel faceplate model # MA19
- Optional old style faceplate model # MA20
- Diameter range examples: 0.700" - 1.073" (17.8mm - 27.3mm) / 0.900" - 1.125" (22.8mm - 28.6mm)
- Thickness range settings: 0.087" - 0.130" {Canadian Dime (1.22mm) - British 1£ (3.15mm)}
- Slide on water resistant access covers
- Built-in "Credit Test" push button
- Bent coin release
- New coin types can be learned or programmed in the field
- Unwanted shadow coin feature eliminates false acceptance of undesired coins
- Multi-color indicator LED for operational status
- Optional credit sense optics for extra security
- Optional programmable multi-denominational diverter controls direction for presorting coins

Patent Coverage: U.S. #5,046,841 U.S. #6,021,882 U.K. #2,227,347 U.K. #8,929,131 U.K. #9,905,044 U.K. #2,335,207 Aus. #619,639  
Aus. #1,952,499 Aus. #4,788,290 Can. #1,313,806 Japan #9471,1990 Germany #4,000,197 *Other Patents Pending*

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# Coin Learn Procedure for Models X10CR / X10CM & for different version consult factory



1. Slide the front cover up and identify the three controls to be used in this procedure:
  - Black push-button near center bottom. (used to input the number of credit pulses)
  - Gray 16 position rotary switch to the right of the push-button. (#0 is normal RUN position, #1-#6 are for learning each of 6 possible coin types that can be accepted)
  - LED indicator half way up on the right side. (Green in RUN mode, Red in LEARN mode)
2. Turn the Gray rotary switch to one of the LEARN positions #1-#6 (for example, pick #3 for learning the 3rd coin type) and observe the LED turns Red to indicate it is now ready to learn.
3. Push the Black button once for each credit pulse you wish to have issued for this coin. For example, a \$1 coin would require 4 credit pulses if you are also accepting \$0.25 coins, one credit pulse per quarter.
4. **Slide the cover back on the unit to make sure outside light does not interfere with the sensors.**
5. **Show the unit 6 different samples of the coin by depositing them into the acceptor as usual. It is best to use 6 different coins since there are typically slight variations from coin-to-coin.**
6. After the 6th sample coin is deposited, the LED will flash Red-Green a few times to indicate the LEARN procedure is complete and the coin parameters are stored in memory.
7. Slide the front cover open again and turn the rotary switch back to position #0 and observe the LED turning Green. Check that you have not accidentally turned it too far to position #15, the LED will be Green however it will not accept coins.
8. Slide the front cover back down and you should now be able to accept the new coin.

## ***UNWANTED COIN FEATURE***

1. Use the same coin learn procedures as above.
2. THE COIN YOU DO NOT WANT TO ACCEPT MUST BE LEARNED IN COIN POSITION #1. Turn to position #1 and press the Black button 13 times, **drop the same sample coin through that you do not want to accept 6 times.** NEXT LEARN THE COIN YOU WANT TO ACCEPT IN COIN POSITION #2. Turn to position #2 and press the Black button for the number of times for the value of your coin to be accepted, **drop the same sample coin through that you do want to accept 6 times.** Now turn back to "0" the operating position.

## ***COIN DE-LEARN PROCEDURE***

1. Slide the front cover up and turn the rotary switch to the coin # position you wish to DE-LEARN.
2. Push the Black button once to initiate the LEARN sequence.
3. Turn the rotary switch back to position #0 without depositing any coins to signal the unit that you wish it to erase the parameters for this coin. The LED will flash Red-Green to indicate completion.
4. Slide the front cover back down.

## ***FACTORY SETTINGS***

1. Position # 6 has a U.S. quarter learned with 1 pulse
2. Position # 5 has a U.S. dollar coin learned with 4 pulses

## ***TROUBLE SHOOTING***

1. If LED is flashing RED to GREEN in the "0" position turn off power for 30 to 45 seconds then turn back on. This should reboot the acceptor. Check to make sure that the 2 halves of the acceptor are closed together, open the acceptor and let the spring slam it shut. Also, check to see if the White ribbon cable located on the back side of the acceptor is plugged in just under the 2 Red wires. If this does not correct your problem call your distributor.
2. If coin returns and No coin pulse to the timer check to see if the LED is blank, Green, Red, or flashing. If blank check for voltage between the "Yellow" 24vac and "Black" common wires. If power present call your distributor for to get acceptor repaired. If Red or Green check to see if Gray switch is in the "O" position, if not in "O" it will not accept coins.