

Change machine controller / Token dispenser controller

Overview:

The SRCWE01 controller is the core of a change machine or token dispenser. Its role is to monitor for any new coins and banknotes, to dispense tokens and return change according to configured rules. The large color display shows the current and required amount and the status of the transaction. The controller continuously monitors all peripherals and in case of any failure, turns the system into limited mode avoiding the failed peripheral or disabling the whole system and showing corresponding messages. A USB connection through a PC or Android device, allows change of many parameters, texts and display colors.

Key functions:

- Color TFT 3.5" display with high brightness and large viewing angle
- Supports bill validator, bill recycler, coin validator, coin and token hoppers, POS terminal
- Communication over ccTalk interface
- Out of order and limited modes - detects empty hoppers or peripheral failures, then disables failed block
- Power failure protection - payout continues after power recovery
- Buttons to select tokens quantity
- Ability to change texts, colors, modes and other parameters via USB connection

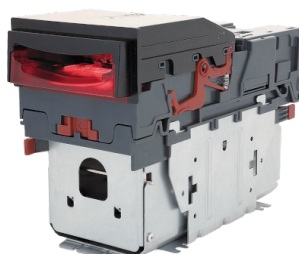
Supported peripherals:



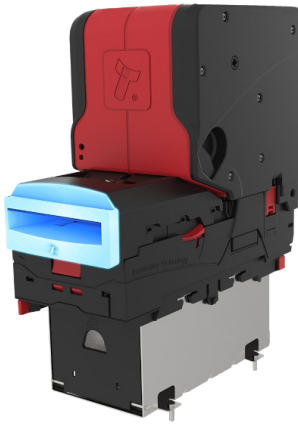
Coin acceptor Comestero RM5 HD - ccTalk communication interface; can recognize up to 16 different coins; inhibit for individual and global coin acceptance; fault detection; public software for setup and configuration.



Bill validator Innovative Technology NV10 USB+ - ccTalk communication interface; can recognize up to 16 different banknotes; inhibit for individual and global banknote acceptance; fault detection, public software for setup and configuration.



Bill validator Innovative Technology NV9 - ccTalk communication interface, can recognize up to 16 different banknotes; inhibit for individual banknote and global acceptance; fault detection; public software for setup and configuration; integrated stacker for 300 or 600 banknotes.



Bill validator & recycler Innovative Technology NV22 - ccTalk communication interface; can recognize up to 16 different banknotes; inhibit for individual banknote and global acceptance; fault detection; public software for setup and configuration; integrated stacker for 300 or 600 banknotes; can temporary store and recycle up to 40 banknotes of any denomination.



Coin hopper Suzohapp Evolution Hopper Cctalk ITA EV02000 - ccTalk communication interface; high capacity >1000 coins of 1 Euro; fault detection.



POS terminal myPOS Mini - RS232 communication interface; Magnetic Card Reader: Track 1 / 2 / 3, Bi-directional; Smart Card Reader: EMV L1 & L2 certified; Contactless Card Reader: MasterCard Contactless & Visa payWave, ISO14443 Type A/B, Mifare, Felica, NFC; no monthly taxes; fixed percent per transaction cost.



Fiscal register Tremol V - required by Bulgarian law for token machines; can register and report all cash and cashless transactions.

Possible configurations:

Change machine - CB standard

coin acceptor + bill validator + 1x hopper

Accepts small coins and banknotes and returns coins of single denomination.

Change machine - CB plus

coin acceptor + bill validator + 2x hopper

Accepts small coins and banknotes and returns coins of two denominations.

Change machine - CBR standard

coin acceptor + bill validator and recycler + 1x hopper

Accepts small coins and banknotes and returns any banknotes and coins of single denomination.

Change machine - CBR plus

coin acceptor + bill validator and recycler + 2x hopper

Accepts small coins and banknotes and returns any banknotes and coins of two denominations.

Change machine - coin

coin acceptor + 1x hopper

Accepts small coins and returns coins of single denomination.

Change machine - BO standard

bill validator + 1x hopper

Accepts banknotes and returns coins of single denomination.

Change machine - BO plus

bill validator + 2x hopper

Accepts banknotes and returns coins of two denominations.

Change machine - BR standard

bill validator and recycler + 1x hopper

Accepts banknotes and returns any banknotes and coins of single denomination.

Change machine - BR plus

bill validator and recycler + 2x hopper

Accepts banknotes and returns any banknotes and coins of two denominations.

Token machine - CB standard

coin acceptor + bill validator + 2x hopper

Accepts small coins and banknotes and returns tokens and change of single denomination coins.

Token machine - CBR standard

coin acceptor + bill validator and recycler + 2x hopper

Accepts small coins and banknotes and returns tokens and change of any banknotes and single denomination coins.

Token machine - coin

coin acceptor + 1x hopper

Accepts small coins and returns tokens.

Token machine - BO standard

bill validator + 2x hopper

Accepts banknotes and returns tokens and change of single denomination coins.

Token machine - BR standard

bill validator and recycler + 2x hopper

Accepts banknotes and returns tokens and change of any banknotes and single denomination coins.

Token machine - POS

POS terminal for debit and credit card transactions can be added to all token machines.

Configuration table:

		Change machine								Token machine									
		CB standard	CB plus	CBR standard	CBR plus	coin	BO standard	BO plus	BR standard	BR plus	CB standard	CBR standard	coin	BO standard	BR standard	CB standard POS	CBR standard POS	BO standard POS	BR standard POS
Accept	Coins	✓	✓	✓	✓	✓					✓	✓	✓			✓	✓		
	Banknotes	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	Credit & Debit Cards															✓	✓	✓	✓
Return	Banknotes			✓	✓			✓	✓		✓			✓		✓		✓	
	Coins	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	
	Coins 2nd		✓		✓		✓		✓										
	Tokens									✓	✓	✓	✓	✓	✓	✓	✓	✓	