

How EA works

This EA works based on super trend indicator if the super trend signal bullish and the ADX line is above (25 level or optional) the EA will open Buy and if the super trend signal Bearish the EA open sell.

The EA will close the position if the TP touches, Stop Loss Touches, or the super trend line has no move (Flat condition) on 5 candles.

The EA will open position again When the TP touches and the super trend is not in flat condition, and also the EA will open position again when the super trend line has a move and exit on flat situation.

The EA has some filters, these are the Inputs of the EA!

The screenshot shows the 'Inputs' tab of an Expert Advisor configuration window. It contains a table of variables and their values, grouped into six sections. The sections are: 1. SuperTrend Settings, 2. Adx Settings, 3. Risk Management, 4. Lot Management, 5. Lot Management, and 6. Session Time Management. The 'Load' and 'Save' buttons are visible at the bottom right, and 'OK', 'Cancel', and 'Reset' buttons are at the bottom center.

Variable	Value
----- 1 -----	----- SuperTrend Settings -----...
123) Period for Super Trend	14
123) Multiplier for Super Trend	3
----- 2 -----	----- Adx Settings -----
123) Adx Period	14
123) Adx Level	25
----- 3 -----	----- Risk Management -----...
123) Trailing Stop Distance Points From Super Trend ...	50
123) Take Profit In Points	1500
123) Percentage Risk Available	4
new Position allowance for pips movement 4	false
1/2) New Position Pips Allowance Pips	20
----- 5 -----	----- Lot Management -----...
1/2) Lot size	0.1
----- 6 -----	----- Session Time Management -----...
123) Starting Hour	0
123) Ending Hour	23

Part 1:

In this input setting (super trend setting) you can see the period and multiplier of super trend indicator its customizable.

Part2:

In this input setting (ADX setting) you can see the ADX filter setting its customizable as default you see we use the 14 period and level 25 it means when the ADX line is above level 25 the EA is allowed to open position, this filter use only on opining positions not use for closing the position in this filter we do not use the (Di+ and Di-).

Part 3:

In this input (Risk management setting) you can see 3 customizable settings the first one is (Trailing stop distance from super trend) in this setting we set a number of points for example 50 points, Now our Trailing stop loss has 50 point distance from super trend line, the stop loss follow the super trend line.

Second setting is Take profit points its customizable!

3rd setting is the (% risk available) this setting is money management setting when all open position's stop loses are 4% or more than 4% of the account balance the EA is not allowed to open new position until the total amount of stop loss go under 4% of capital (the %number is customizable).

Part 4:

In this input setting (new position allowance for pip movement) we can set the number of pips and the EA Will open new position after the price action move that amount of pips on the same direction that the super trend signaled the position distance must be equal.

Part 5:

Lot size management

Part 6:

Session time management

The EA has a filter that it's not on input setting

This filter is called Flat candle!

When the super trend line is on flat condition on 5 candle the EA will close All open positions automatically on that instrument and when the super trend line moves the EA will open position again.

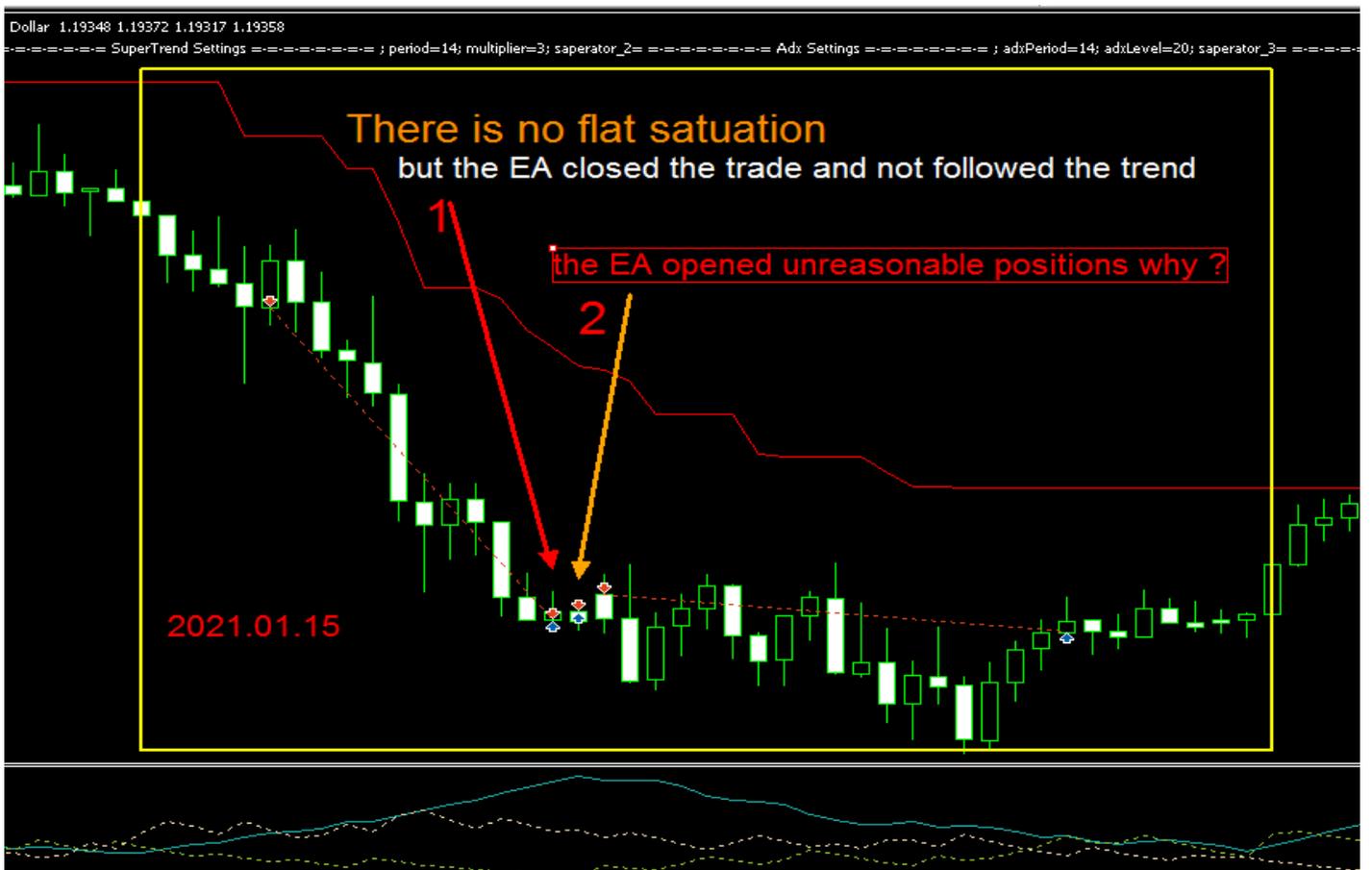
The problem of the EA

Number 1: The Distance of opening multi positions or not Equal.

Number 2: The EA opened and closed unreasonable positions on small candles as you see on pictures.

Number 1:

The flat candle has no problem and works perfectly but the EA do not follow the trend even there is no reason for closing and opening new positions as you see in the picture the EA did not follow the trend and close the position even there is not flat candle to close but the EA closed the position and also the EA opened and closed positions on small candles



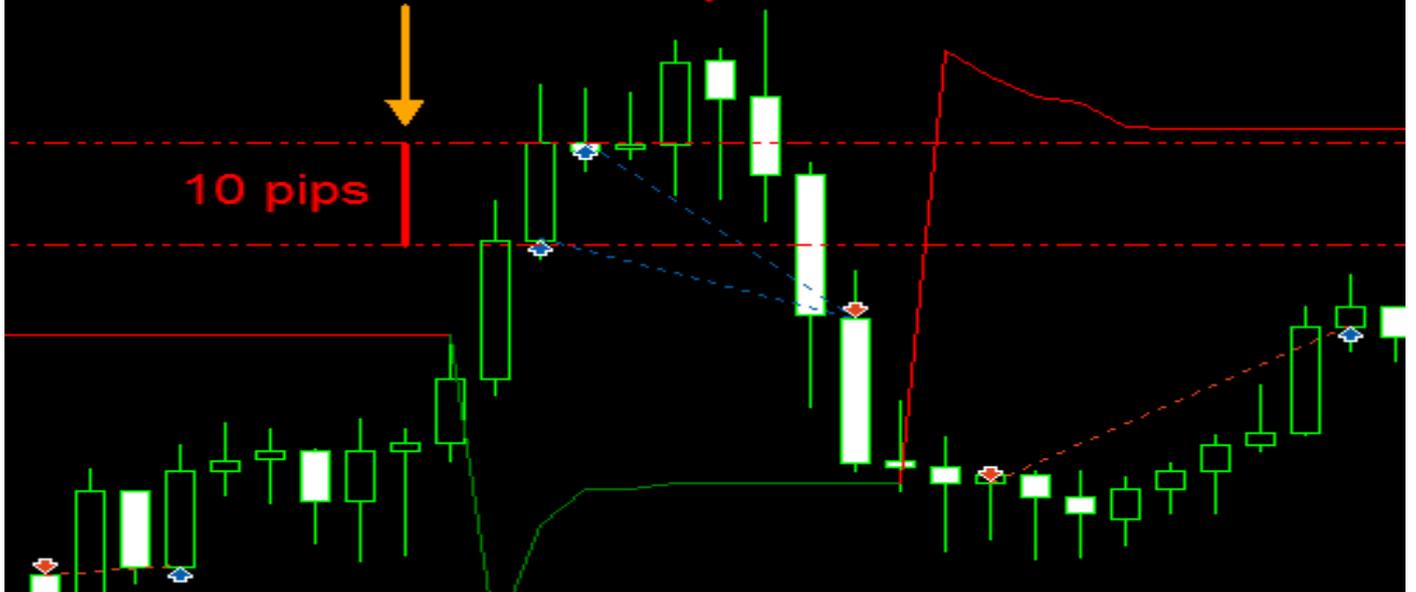




Number 2: When I set the multi position option True the EA open multi positions on every optional pip distance for Example 20 pips or 15 pips the problem is this that the EA do not open the positions on equal distance some position opened on same distance that I set it on setting but most of time the EA opened position greater than the amount pip distance that I set it on setting or sometimes the EA opened the position lower distance that I set it in setting for Example I set 15 pips in setting to open new position on every 15 pips that the price moves but as you see in pictures the EA opened position but they are not on equal distance.

2021.01.04

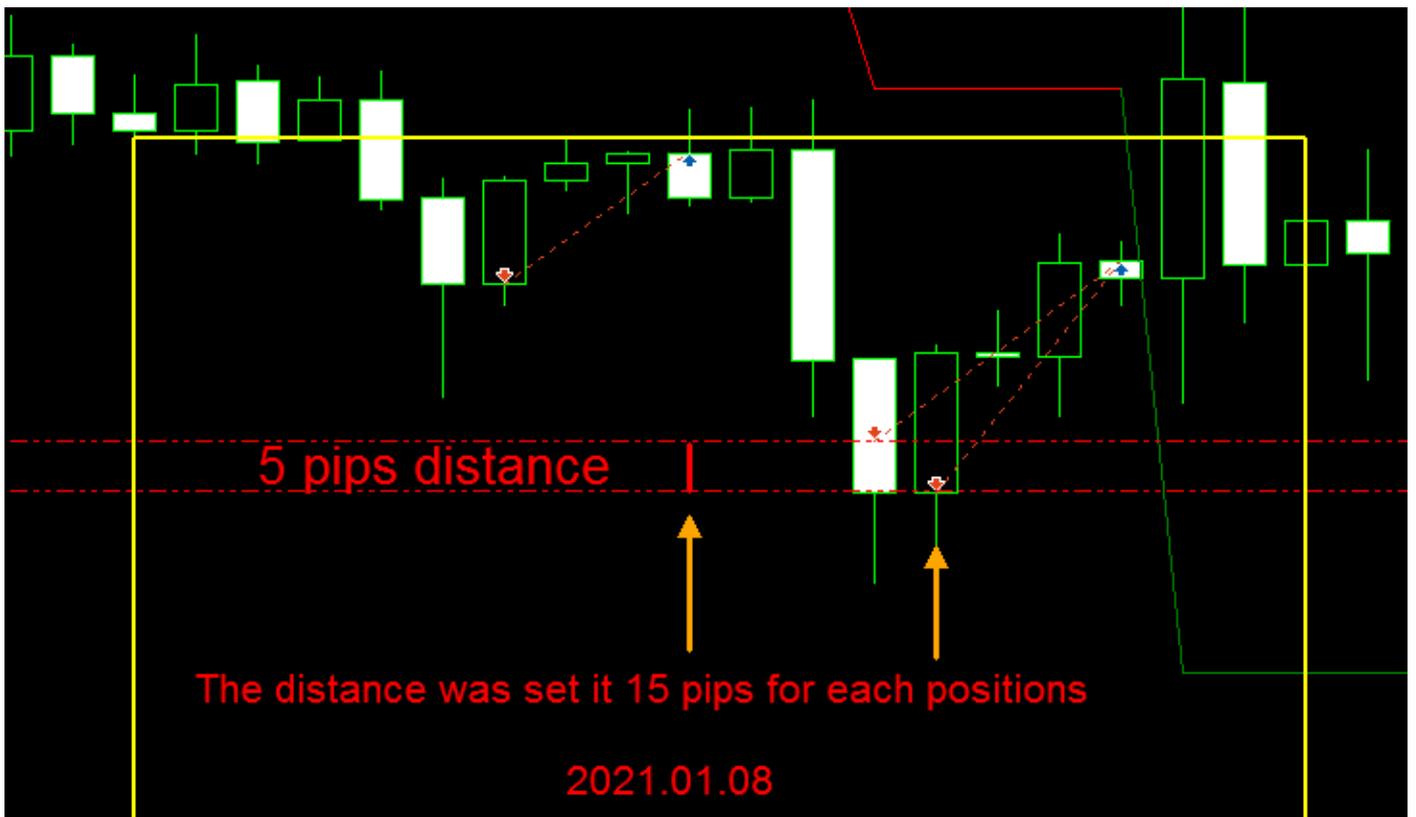
**we set that every 15 pips open new position
But the distance on positions are defrent**

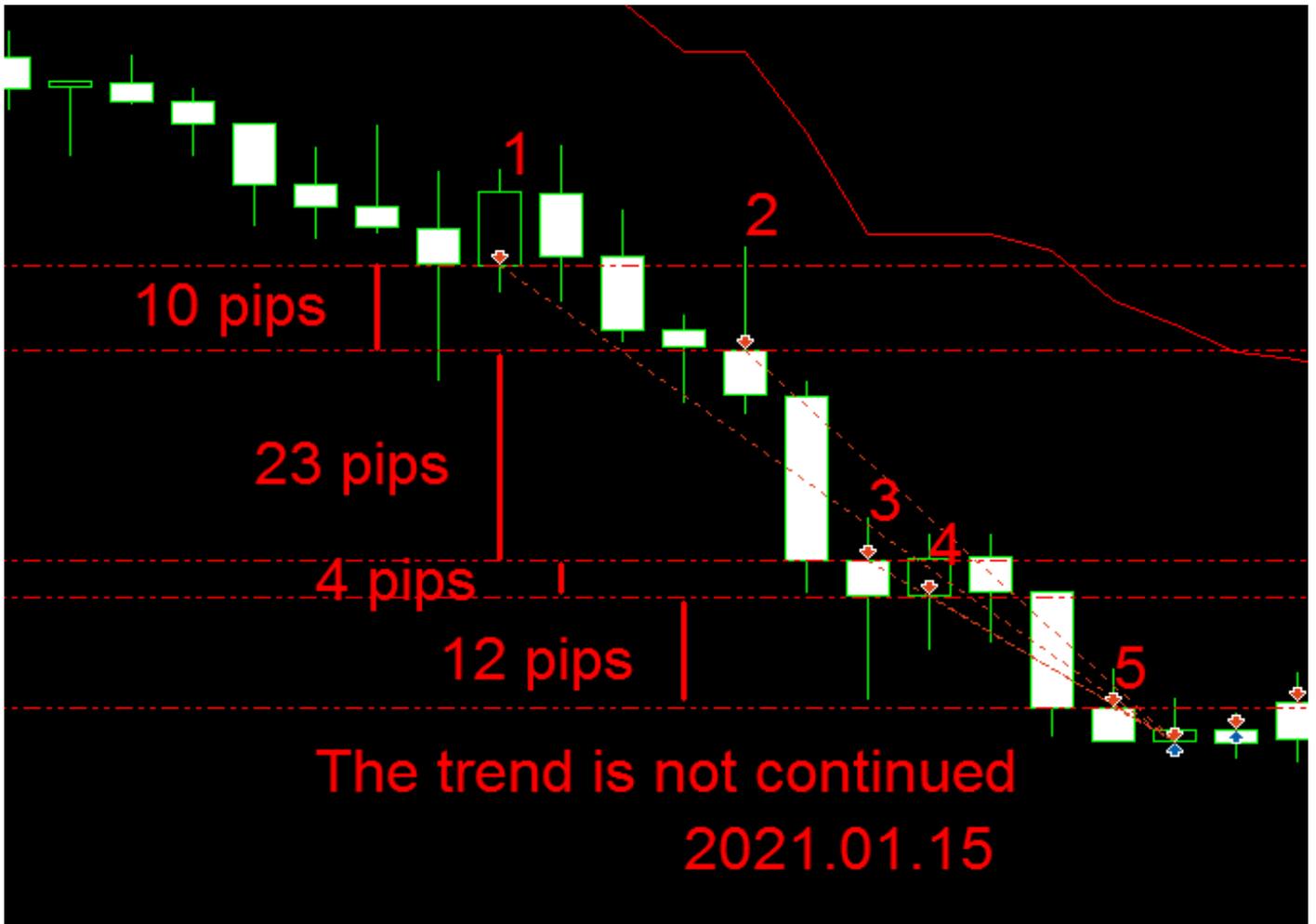


5 pips distance

The distance was set it 15 pips for each positions

2021.01.08





New changes

The changes on existing settings page are as follow:

Except for the super trend indicator everything has changes. And when there is no filter active the EA open **Buy/Sell** positions based on super trend indicator, Open buy when super trend indicator signal buy and closes the buy position when (TP or Stop loss) touches or signal change, and open sell when the super trend signal sell and close when the (TP or Stop loss) touches or the signal of super trend changes.



1. Add True/False for **ADX filter**
2. Add True/False for **Flat Candle Filter**
3. Add True/False for **Open positions on weekends**
4. No Changes for (allowance pips for position opening!)
5. No Changes for (Take Profit Type).

Adding New Changes Are as Follow

Number 1: The stop loss Types

The current trailing stop loss is this that I set the amount of point of distance from super trend line and the stop loss follows the super trend line with that distance, in this upgrade I want to add a **True/False** for stop loss and add some changes when stop loss set to True or False.

Description!

If the stop loss set to **False**, The EA use the current type of stop loss as I mentioned above.

If the stop loss set to True,

This time it has 4 condition or units and for each unit I need **True/False** option and only one unit is allowed to Active in one time for Example: If units 2 is set to **True** the another unit (1,3, and 4) must be **False** because we can't use two stop loss type in one time.

Unit 1 Stop Loss

The amount of stop loss must be customizable that I can set the amount point of SL

for Example, 100, or etc... points, the stop loss will not move from that place and remain until the signal changes or position close.

as I mentioned this unit must have **True/False** option.

Unit 2 Stop Loss

The amount of stop loss must be customizable.

for Example, 100 or etc... points, when the price moves 100 point in the same direction the stop loss move 100 points from that place, as simple trailing stop loss that is on meta trader 5 this unit also has **True/False** Option.

Unit 3 Stop Loss

The amount of stop loss must be customizable.

for example, 100 points,

The stop loss moves for every point of price that move in the same direction even during price (candle) fluctuations.

For buy position the stop loss is allowed to **move immediately** on every Bullish points even during price (candle) fluctuations.

And also for sell position the stop loss is allowed to moves immediately **on every bearish points** even during price (candle) fluctuations.

and the stop loss do not move when the price moves on opposite direction.

Unit 4 Stop Loss

In this type the stop loss will move based on last high price, on bullish position and last low price, on bearish position.

The amount of stop loss must be customizable!

When the price record **new high** for buy position and record **new low** for sell position the stop loss will move on every **new point of new high or new low** that's record on chart

In this type the price fluctuation has no effect on Stop loss, the stop loss is allowed to moves only when new high Bullish point is creating on Bullish position and also on sell position The stop loss is allowed to moves only when the new low bearish points are creating on bearish position.

For example, on EURUSD instrument the EA open buy position on 1.19000 and the stop loss is 150 point at 1.18850 when the bid price come to 1.19001 the position will come to profit this is the new High point and the stop loss move 1 point after some time the price will continue move on direction side and the bid price 1.19100 the stop loss will move 100 point also if the price has a pullback and come back to 1.19000 and move back to 1.19099 the stop loss will not move after the price move from 1.19100 to 1.19101 now the stop loss move 1 point because that is new point.

As I mentioned before all type of stop loss must have **True/False** option.

Number 2: Opening New positions when the position closed due to touching the TP and SL! (ONPT)

Name this requirement = **ONPT**

1: Stop loss touching

When the price touches the stop loss and the position closed but the signal of super trend not changed I need a **True/False** option for opening new position.

When I set **True**, The EA is allowed to open new position after the position closed due to touching the stop loss and if I set it **False**, The EA is not allowed to open new position after the position closed due to touching the stop loss and must wait until the signal of super trend change.



2: Take Profit Touching

When the price touches the Take Profit and the position closed but the signal not change I need a **True/False** option for opening new position.

When I set **True** EA is allowed to open new position after the position closed due to touching the TP, and if I set to **false**, the

EA is not allowed to open new position and must wait for super trend signal change.



Number 3: Automatically Lot Size Amount Management True/False

The current lot size management is optional like this that I set the lot size for trading like 0.1 or 1 lot etc... and the EA will trade that lot size.

I want to add a **True/False** option for lot size amount management

If I set True, the EA chose the lot size automatically!

Description!

The EA open position for every optional amount of balance that I set it for example I set that the EA Open 0.01 lot size position for every custom amount of balance example for every 100 or 50\$ this must be optional

Note: The EA only calculate the balance not equity

Example: when the balance is 1000\$ and I chose that the EA open 0.01 lot for every 50\$ now the EA calculate the Balance and set the lot size amount automatically in this example the EA will open 0.2 lot for every position.

$$1000 / 50 = 20$$

$$20 \times 0.01 = 0.2$$

The lot size is 0.2 lot

If I chose **False**, the EA use the current type of lot size management and I will set the lot size manually.

Number 4: Multiple trades with Multiple Take Profit in one signal True/False

Name this requirement (MTMTS)

If True, the EA will open Two types of positions in same price in same time of the market

The type 1 is normal position when the signal of super trend is Buy, Open Buy and **close when** signal change or TP or Stop loss touches, in this type the EA will follow the general settings that is set to true and will not use if they are set to false as usual.

The Type 2 position is something deferent I will set the number of positions that the EA must open in the same time for example 5 positions when I chose the number, the EA show me that number boxes as example 5 boxes that I will chose the Stop loss type (the stop loss types are described on above) and Take profit **for each position spritely**

For example, I will set The first position like this

TP: 100 points

Stop loss type: Lock Trilling Stop loss

Second position: TP 250 points / SL type: not trilling stop

Third position: TP 500 points / SL type: super trend trilling stop

4rd position: TP 400 points / SL Type: Lock trilling stop

5th position: TP 700 points / SL Type Lock Trilling Stop

The position Close if:

Take Profit Touch

Stop Loss Touch

Signal of Super Trend Change **Close all position of Type 1 and Type 2**

Do not open new position on Type2 when the position is closed due to touching the TP or stop loss and the signal is still not changed

On Type one as this type follows the EA custom settings that must optional as well as I mentioned up above, The EA will open Trade when the position is closed due to touching the TP or SL when the setting is set to True, if it sets to False the EA must wait for signal changes.

Note: All position Type 1 and Type 2 must open in same time and price!