

## NeuroShell Trader

The Zero Lag indicators described by Sylvain Vervoort in the Reliable Crossovers article can be easily implemented in the NeuroShell Trader by combining a few of the NeuroShell Trader's over 800 indicators. Select '**New Indicator ...**' from the '**Insert**' menu and use the Indicator Wizard to create the following indicators:

### ZeroLag EMA:

Add2( ExpAvg( *Close*, *period* ), Subtract( ExpAvg( *Close*, *period* ), ExpAvg( ExpAvg( *Close*, *period* ) ) ) )

### ZeroLag TEMA:

Add2( TEMA( *Close*, *period* ), Subtract( TEMA( *Close*, *period* ), TEMA(TEMA( *Close*, *period* ) ) ) )

### ZeroLag Heikin-ashi TEMA:

Add2( TEMA( *HeikinAshiClose*( ), *Period* ), Subtract( TEMA(*HeikinAshiClose*( ), *period* ), TEMA( TEMA(*HeikinAshiClose*( ), *period* ) ) ) )

### ZeroLag MedianPrice TEMA:

Add2( TEMA( Avg2(*High*,*Low*), *Period* ), Subtract( TEMA(Avg2(*High*,*Low*), *period* ), TEMA( TEMA(Avg2(*High*,*Low*), *period* ) ) ) )

Note: The Zero-Lagging TEMA and Heikin-ashi zero-lagging TEMA are based upon the HeikinAshiClose and Tema custom indicators, which NeuroShell Trader users can download for free at [www.ward.net](http://www.ward.net).

To create a crossover trading strategy as described in the article, select '**New Trading Strategy ...**' from the '**Insert**' menu and enter the following in the appropriate locations of the Trading Strategy Wizard:

### Buy Long Condition:

CrossAbove ( *ZeroLag MedianPrice TEMA*, *ZeroLag Heikin-ashi TEMA* )

### Sell Long Condition:

CrossBelow ( *ZeroLag MedianPrice TEMA*, *ZeroLag Heikin-ashi TEMA* )

If you have the NeuroShell Trader Professional, you can also choose whether or not the system parameters should be optimized. After backtesting the trading strategy, use the '**Detailed Analysis ...**' button to view the backtest and trade-by-trade statistics for the crossover strategy.

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Figure A: NeuroShell Trading TEMA Crossovers chart.

