

NeuroShell Trader

The Volume Zone Oscillator (VZO) described by Walid Khalil and David Steckler can be easily implemented with a few of NeuroShell Trader's over 800 indicators. Simply select 'New Indicator ...' from the 'Insert' menu and use the Indicator Wizard to create the following indicator:

```
Multiply2( 100, Divide( ExpAvg( Multiply2( NumPosNegMomDiff(Close,1,1), Volume), 14),  
ExpAvg( Volume, 14) ) )
```

To create a Volume Zone Oscillator trading system, select 'New Trading Strategy ...' from the 'Insert' menu and enter the following in the appropriate locations of the Trading Strategy Wizard:

Generate a buy long market order if ALL of the following are true:

```
A>B(Close, ExpAvg(Close, 60) )  
A>B(ADX(High, Low, Close, 14, 14), 18 )  
OR2( CrossAbove(VZO, -40), CrossAbove(VZO,0) )
```

Generate a sell long market order if ONE of the following is true:

```
AND2( A>B(VZO, 60), A<B(Momentum(VZO,1), 0 )  
CrossBelow(VZO, 40)  
AND2( A<B(Close, ExpAvg(Close, 60), A<B(VZO, 0) )
```

Generate a sell short market order if ALL of the following are true:

```
A<B(Close, ExpAvg(Close, 60) )  
A>B(ADX(High, Low, Close, 14, 14), 18 )  
OR2( CrossBelow(VZO, 40), CrossBelow(VZO,0) )
```

Generate a cover short market order if ONE of the following is true:

```
AND2( A<B(VZO, -60), A>B(Momentum(VZO,1), 0 )  
CrossAbove(VZO, -40)  
AND2( A>B(Close, ExpAvg(Close, 60), A>B(VZO, 0) )
```

If you have the NeuroShell Trader Professional, you can also choose whether or not the 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 strategy.

Users of NeuroShell Trader can go to the STOCKS & COMMODITIES section of the NeuroShell Trader free technical support website to download a copy of any of the traders' tips.

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Figure 1: A NeuroShell Trader Chart that shows the Volume Zone Oscillator and corresponding trading system.

