The following methodology is abbreviated based on real-time analytics signals shown on Seeking Alpha. Additional signals are available to Fidelity customers in Active Trader Pro®.

New High/Low

Intro	New High/Low alerts are generated once daily when a stock hits a new 13 Week, 26 Week or 52 Week High/Low.
Computation	Each second of the trading day, the stock price is compared to its previous 13 Week, 26 Week and 52 Week High/Low. As soon as the price hits a new High/Low over any of those periods, an alert is generated and will stay active for the remainder of the trading day. If a stock gaps up or down and reaches a new high or low for 13 and 26 weeks or 13, 26 and 52 weeks, only the breach of the longest lookback window will be triggered. New High/Low alerts will be published between the hours of 9:30am ET and 4:00pm ET on full trading days and between the hours of 9:30am ET and 1:00pm ET on half days in the market.
Timing	**When can I receive signals?** 9:30am – 4:00pm ET **When do signals expire?** 4:00pm ET Daily

Trading Range

Intro	A trading range signal alert is activated when the return of a stock diverges from its normal range.
Computation	Each second of a trading day, the mid-quote of the stock is compared with price bands generated by using an exponentially-weighted moving average of the stock price and historical ranges of return of the stock. An alert is generated when the stock is quoted outside the bands, which represent the top and bottom percentiles of the return distribution that is computed from 30 days of trading history. Factors such as market volatility and mis-quotes could trigger signal alerts. Historical ranges of return are calculated based on 30 days of trading history, and are time-of-day specific (i.e. market open is different from mid-day, which is different from market close).
Timing	**When can I receive signals?** 10:00am – 3:30pm ET 10:00am – 1:00pm ET on FOMC Announcement Days Not published on market half days **When do signals expire?** Expires when the opportunity no longer presents itself or a maximum of 20 minutes from the time the alert was triggered.

Real-time Analytics Methodology

RSI Break	
Intro	The Relative Strength Index (RSI), developed by J. Welles Wilder, is a momentum oscillator that measures the speed and change of price movements. The RSI oscillates between zero and 100. Traditionally the RSI is considered overbought when above 70 and oversold when below 30. Movements above the 30 level are viewed as a bullish indicator, while movements below the 70 level are considered a bearish indicator.
Computation	Each second of the trading day, the 14 Day RSI is calculated and an alert will get published as soon as the RSI breaks above the 30 level or below the 70 level. The alerts will remain active and visible for the remainder of the trading day even though the RSI value may subsequently move back below 30 or back above 70 over the course of the trading day.
Timing	**When can I receive signals?** 9:30am – 4:00pm ET **When do signals expire?** 4:00pm ET Daily